Chapter 2 - Orbit Overview

Contents

	Sub-Section	Page
2.0	Contents	1
2.1	Introduction to Chapter 2	2
2.2	NIMS Science Objectives	3-4
2.3	NIMS Calibrations	4
2.4	Early Data Return	5
2.5	G2 Playback	5
2.6	NIMS Time-ordered Listing	6-7
2.7	NIMS G2 Observation Geometry Plot	8
2.8	NIMS Satellite Observation Geometry Plot	9
2.9	NIMS Jupiter Observation Geometry Plot	10
2.10	NIMS Calibration Geometry Plot	11
2.11	NIMS G2 Resource Usage Spreadsheets	12-21
2.12	NIMS G2 Input Spreadsheet	22-25
2.13	NIMS G2 Observing Geometry Table	26-27
2.14	G2 Tapemap	28-32
2.15	G2 Playback Schedule	33-40
2.16	NIMS G2 Mosaic Summary	41-45

Introduction to Chapter 2

This chapter gives an overview of the NIMS observations in the G2 Orbit.

The text on pages 3 and 4 summarizes the NIMS science objectives for G2. The NIMS calibrations are discussed on page 4. Early data return and G2 playback are discussed on page 5.

The table on pages 6 and 7 is a time-ordered listing of the NIMS Oapels for G2.

The plot on page 8 shows the geometry of the NIMS G2 observations using a north trajectory pole view projection. The plots on pages 9 and 10 show the geometry of the NIMS Satellite and Jupiter observations. The plot on page 11 shows the geometry of the NIMS G2 calibrations.

The spreadsheets on pages 12 through 21 summarize the NIMS resource usage for the NIMS G2 observations for the team and also by working group.

The spreadsheets on pages 22 through 25 summarize various inputs for the NIMS G2 observations.

The table on pages 26 and 27 lists various NIMS G2 observing parameters: target latitude/longitude, range, cone angle, incidence angle (light), emission angle (view) and phase angle.

The tapemap on pages 28 through 32 shows the placement of the G2 observations on the spacecraft's tape recorder. The NIMS observation names are written with a larger type.

The timeline on pages 33 through 40 shows the preliminary G2 playback schedule.

The NIMS G2 mosaic designs are summarized on pages 41 through 45 in time-order.

NIMS G2 Science Overview

Io Science

NIMS will make observations of Io's dayside and nightside. All observations are full-disk or part-disk mosaics. Nightside observations (THRMAL and VOLCAN) are designed to map hot spots and to look for auroral features. Dayside observations (CHEMIS and HRSPEC) will map the distribution of SO2 on the surface and look for new species such as H2O and H2S. HRSPEC will use the full spectral capability of the instrument (408 wavelengths) and will be made during Io closest approach in order to get the highest spatial resolution possible in this orbit. One real-time observation (IOMON) will monitor hot spot activity in real time.

Europa Science

There is a non-targetted flyby of Europa in G2. In this orbit NIMS has two observations of Europa (LEADMP and EURORT). The LEADMP observation is a full-disk map of Europa's leading side limited by Phineus and Asterius Lineas conating good coverage of diverse linea terrain. The second EURORT observation is a RealTime observation of the central region of Europa's disk between +/- 30 degrees latitude. This observation will return two Long Map 408 wavelength grating cycles in 4 mirror positions.

Ganymede Science

NIMS has six observations of Ganymede during the G2 Ganymede encounter. The first observation (SIPPAR) will study the Sippar Sulcus region, which has furrow, dark and groove terrains. The study involves studying variable mineralogy among these terrains. Hemispheric variations will be studied as well because this region is located in the trailing hemisphere. The second observation (NRPOLE) will study the North polar region for chemical composition, especially non-water volatiles. This observation will also help to understand the extend of the North polar shroud, which was discovered by Voyager 2. The third observation (TAMMUZ) will study the bright rayed crater Tammuz. Mineralogy will be studied on excavated ice and across a contrast boundary. Study of potential cold trapping of irradiation products will also be done because the crater is located in the trailing hemisphere. The fourth observation (ANTUM) will study the dark rayed crater Antum. Science objectives for this observation are to understand the modification of material in impact, the mineralogy of the impactor, and the modification of the area adjacent to the crater. The fifth observation (LIMBSC) is a limb scan (joint with UVS) to search for atmospheric composition. The last observation (BRFRGR) studies a bright frost terrain in the North polar region. The objectives are to look for exotic ices and to study the grain sizes and thickness of the polar shroud in contributing to the understanding of age, origin, and evolution of the shroud.

NIMS G2 Science Overview

Callisto Science

There are two Callisto observations planned for G2; one recorded and one real-time. The recorded observation (GLOBAL) is the second in a set of global context map observations planned throughout the Galileo tour. The composition of the overall surface and abundances of the surface components are the two primary objectives. This area of Callisto's surface was not covered well by Voyager. It is the second view of the trailing side by NIMS (G1 observation) but with 212 km resolution and 408 wavelength spectral resolution. The second observation (CALLRT) is a realtime observation, 408 wavelengths with mirror blocking, will provide a quick look at the data set to be recorded in GLOBAL. This will aid in the deselecting of wavelengths in the global observation should that become necessary during the course of playback.

Jupiter Science

NIMS will produce a 5-color Global Mosaic of Jupiter and 3 North-South stripes covering the NIMS thermal wavelengths during the G2 Orbit. NIMS will also image the region of the S9 impacts. The 5-color Global Map will be constructed using 6 observations (GLOBAL0n) with wavelenghts 0.728, 1.594, 1.875, 2.156 and 4.982 microns. Each observation covers Jupiter pole-to-pole in the North-South direction and a fractional radius in the East-West direction (about 60 degrees of longitude at the equator). The Thermal North-South Stripes (THRMNS) cover the the NIMS thermal spectrum from 4.2786 to 5.2198 microns at the highest spectral resolution (Long Map). Each swath is about 5 degrees wide in longitude. 13 of these swaths cover Jupiter from pole to pole. The SL9LIM observation is a high spectral resolution map of SL9 impact sites near Jupiter's limb in several methane and hydrogen absorption features in 80 wavelengths distributed among five spectral regions.

Calibration

There are three NIMS calibration observations in G2 (one PCT and two RCT calibrations) as well as five Dark Sky observations and an Opcal observation. The PCT calibration occurs at the end of the G2A load. An Opcal is also performed at this time. This observation is recorded. The first RCT calibration occurs just after the start of the G2B load a few days after the OTM burn and will be returned via realtime. The second RCT calibration takes place just after the start of the G2C load after apojove and the OTM and will also be returned via realtime. The Opcal will be performed in-bound in G2A and will be returned via realtime. The five dark observations (HNDARK) are scattered throughout the G2 encounter period and will sample dark values in various instrument modes and gain states.

Early Data Return

There are 10 realtime NIMS observations in G2: 4 instrument health checks of 3 wavelenghts (RECOVY), 1 Opcal (OPCAL), 1 8 wavelength Fixed Map Io Monitor observation (IOMON), 1 408 wavelength Europa observation (EURORT), 1 408 wavelength Callisto observation (CALLRT) and 2 RCT cals. The RECOVY observations are performed daily during the encounter period when no other R/T NIMS activities are planned. The Io and Europa data will be returned on 9/07/96 (D251). The Callisto data will be returned on 9/09/96 (D253).

G2 Playback

G2 playback will start 9/11/96 (D255) at the start of track 1. Tracks 1 through 4 will be played back in one pass. G2 playback is scheduled to end on 10/27/96 (D301).

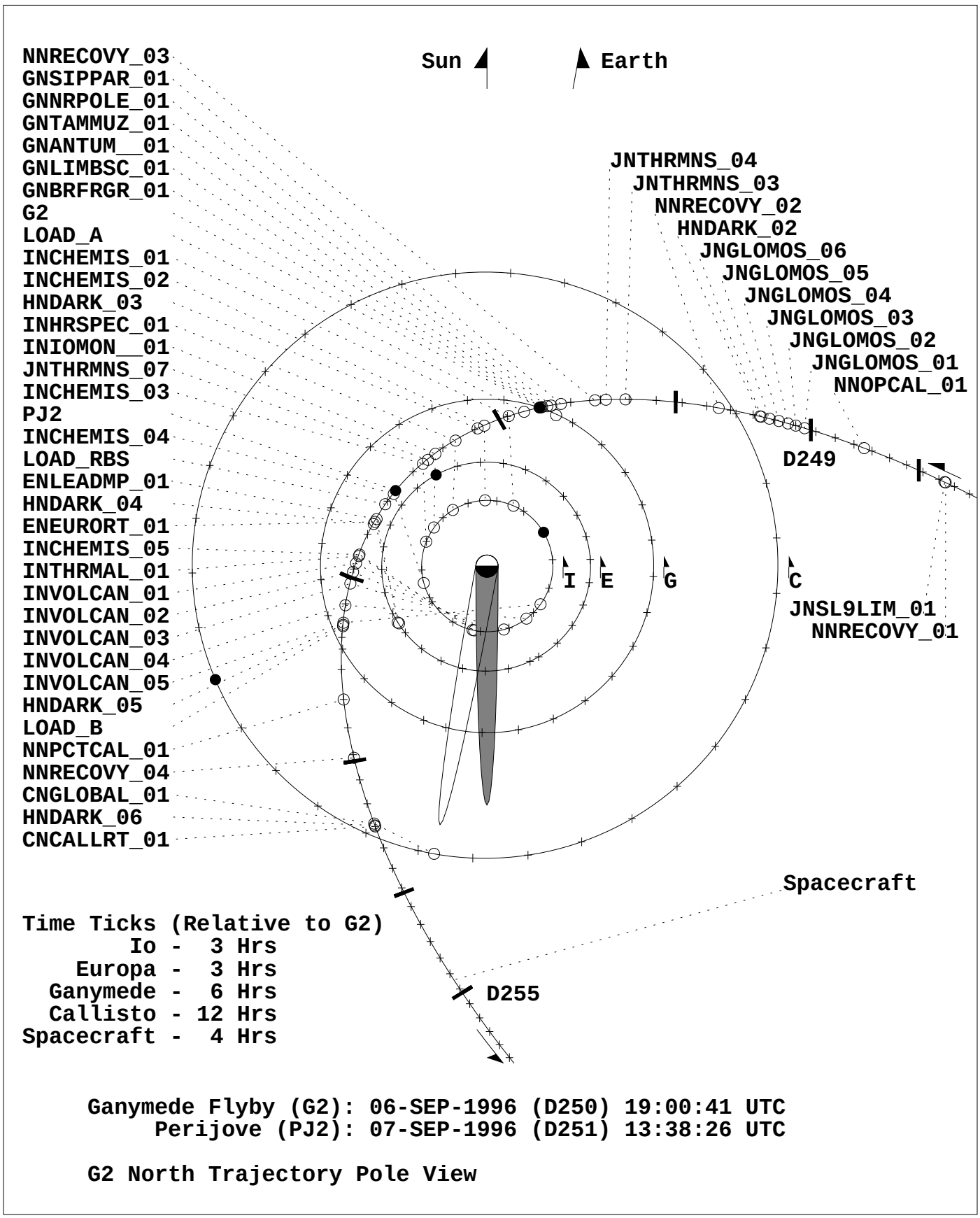
G2 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
G2NNCHOPON01-	96-247/16:59:59	96-247/17:05:59	000/00:06:00
G2NNRECOVY01-	96-247/17:12:30	96-247/17:16:32	000/00:04:02
G2JNSL9LIM01-	96-247/17:22:27	96-247/17:31:49	000/00:09:21
G2NNOPCAL_01-	96-248/12:44:59	96-248/12:50:00	000/00:05:01
G2JNGLOMOS01-	96-249/01:06:59	96-249/01:21:00	000/00:14:01
G2JNGLOMOS02-	96-249/02:46:59	96-249/03:01:00	000/00:14:01
G2JNGLOMOS03-	96-249/04:26:59	96-249/04:41:00	000/00:14:01
G2JNGLOMOS04-	96-249/06:03:56	96-249/06:17:57	000/00:14:01
G2JNGLOMOS05-	96-249/07:47:56	96-249/08:00:04	000/00:12:08
G2JNGLOMOS06-	96-249/09:27:00	96-249/09:41:00	000/00:14:00
G2HNDARK__02-	96-249/09:42:12	96-249/09:49:16	000/00:07:04
G2NNRECOVY02-	96-249/17:00:00	96-249/17:02:29	000/00:02:28
G2JNTHRMNS03-	96-250/07:17:57	96-250/07:47:59	000/00:30:01
G2JNTHRMNS04-	96-250/10:05:57	96-250/10:35:59	000/00:30:01
G2NNRECOVY03-	96-250/11:39:18	96-250/11:41:47	000/00:02:28
G2GNSIPPAR01-	96-250/16:07:15	96-250/16:21:24	000/00:14:09
G2GNNRPOLE01-	96-250/17:27:06	96-250/17:47:31	000/00:20:24
G2GNTAMMUZ01-	96-250/17:56:22	96-250/18:09:47	000/00:13:25
G2GNANTUM_01-	96-250/18:38:22	96-250/18:44:25	000/00:06:03
G2GNLIMBSC01+	96-250/18:47:00	96-250/18:51:03	000/00:04:02
G2GNBRFRGR01-	96-250/18:53:08	96-250/18:59:08	000/00:06:00
G2NNMMRYLD01	96-250/21:16:39	96-250/21:25:45	000/00:09:06
G2INCHEMIS01-	96-250/22:46:38	96-250/22:54:00	000/00:07:21
G2INCHEMIS02-	96-251/01:43:58	96-251/01:53:27	000/00:09:28
G2HNDARK__03-	96-251/02:50:19	96-251/02:57:23	000/00:07:04
G2INHRSPEC01-	96-251/05:21:01	96-251/05:31:53	000/00:10:52
G2INIOMON_01-	96-251/08:02:45	96-251/08:09:49	000/00:07:04
G2JNTHRMNS07-	96-251/08:19:27	96-251/09:19:29	000/01:00:01
G2INCHEMIS03-	96-251/09:34:59	96-251/09:44:19	000/00:09:20
G2INCHEMIS04-	96-251/13:59:57	96-251/14:08:31	000/00:08:33
G2ENLEADMP01-	96-251/17:07:45	96-251/17:13:50	000/00:06:04
G2HNDARK__04-	96-251/17:16:50	96-251/17:22:54	000/00:06:04

G2 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
G2ENEURORT01-	96-251/17:28:58	96-251/17:37:03	000/00:08:05
G2INCHEMIS05-	96-251/21:20:59	96-251/21:26:41	000/00:05:42
G2INTHRMAL01-	96-251/21:27:59	96-251/21:33:53	000/00:05:53
G2INVOLCAN01-	96-251/22:20:10	96-251/22:25:13	000/00:05:03
G2INVOLCAN02-	96-251/23:20:50	96-251/23:25:53	000/00:05:03
G2INVOLCAN03-	96-252/00:35:39	96-252/00:40:43	000/00:05:03
G2INVOLCAN04-	96-252/03:06:19	96-252/03:11:22	000/00:05:03
G2INVOLCAN05-	96-252/05:14:43	96-252/05:19:47	000/00:05:03
G2HNDARK__05-	96-252/05:20:47	96-252/05:27:52	000/00:07:04
G2NNMMRYLD02-	96-252/10:05:55	96-252/10:15:01	000/00:09:06
G2NNPCTCAL01-	96-252/13:54:26	96-252/15:38:35	000/01:44:08
G2NNRECOVY04-	96-252/23:30:46	96-252/23:34:49	000/00:04:02
G2CNGLOBAL01-	96-253/10:25:58	96-253/10:44:10	000/00:18:12
G2HNDARK__06-	96-253/10:49:13	96-253/10:56:18	000/00:07:04
G2CNCALLRT01-	96-253/10:59:20	96-253/11:05:24	000/00:06:04
G2NNCHOPOF01-	96-253/11:06:25	96-253/11:16:31	000/00:10:06
G2NNSHDOFF01-	96-254/13:35:00	96-256/08:24:06	001/18:49:06
G2NNRCTRLT01-	96-256/08:24:06	96-256/21:39:51	000/13:15:44
G2NNSHDOFF02-	96-286/05:22:48	96-287/18:05:00	001/12:42:12
G2NNRCTRLT02-	96-287/18:05:00	96-288/07:20:45	000/13:15:44
G2NNOPCAL_02-	96-300/09:57:23	96-300/10:25:42	000/00:28:18

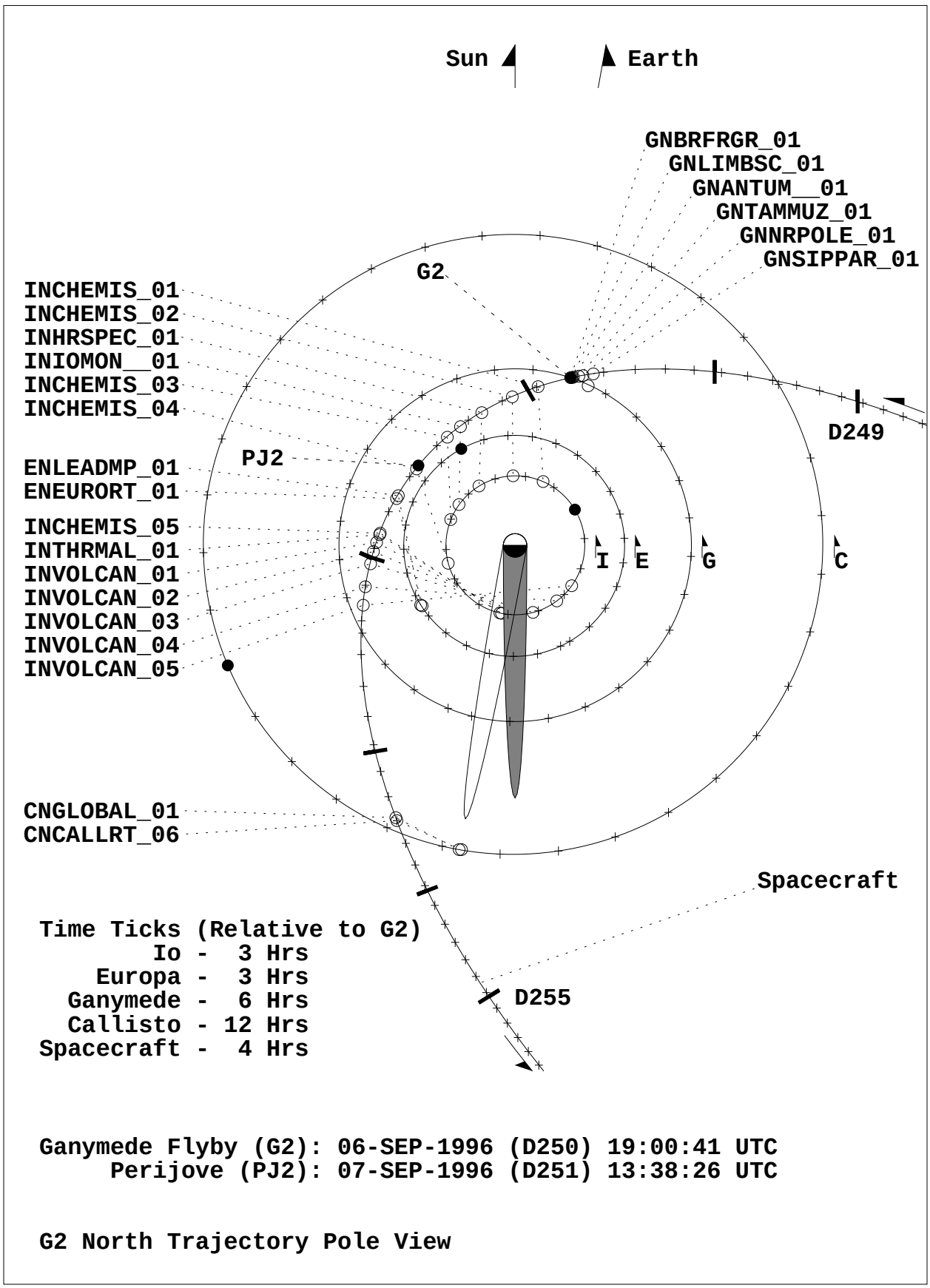
NIMS G2 OBSERVATIONS



Ganymede Flyby (G2): 06-SEP-1996 (D250) 19:00:41 UTC
Perijove (PJ2): 07-SEP-1996 (D251) 13:38:26 UTC

G2 North Trajectory Pole View

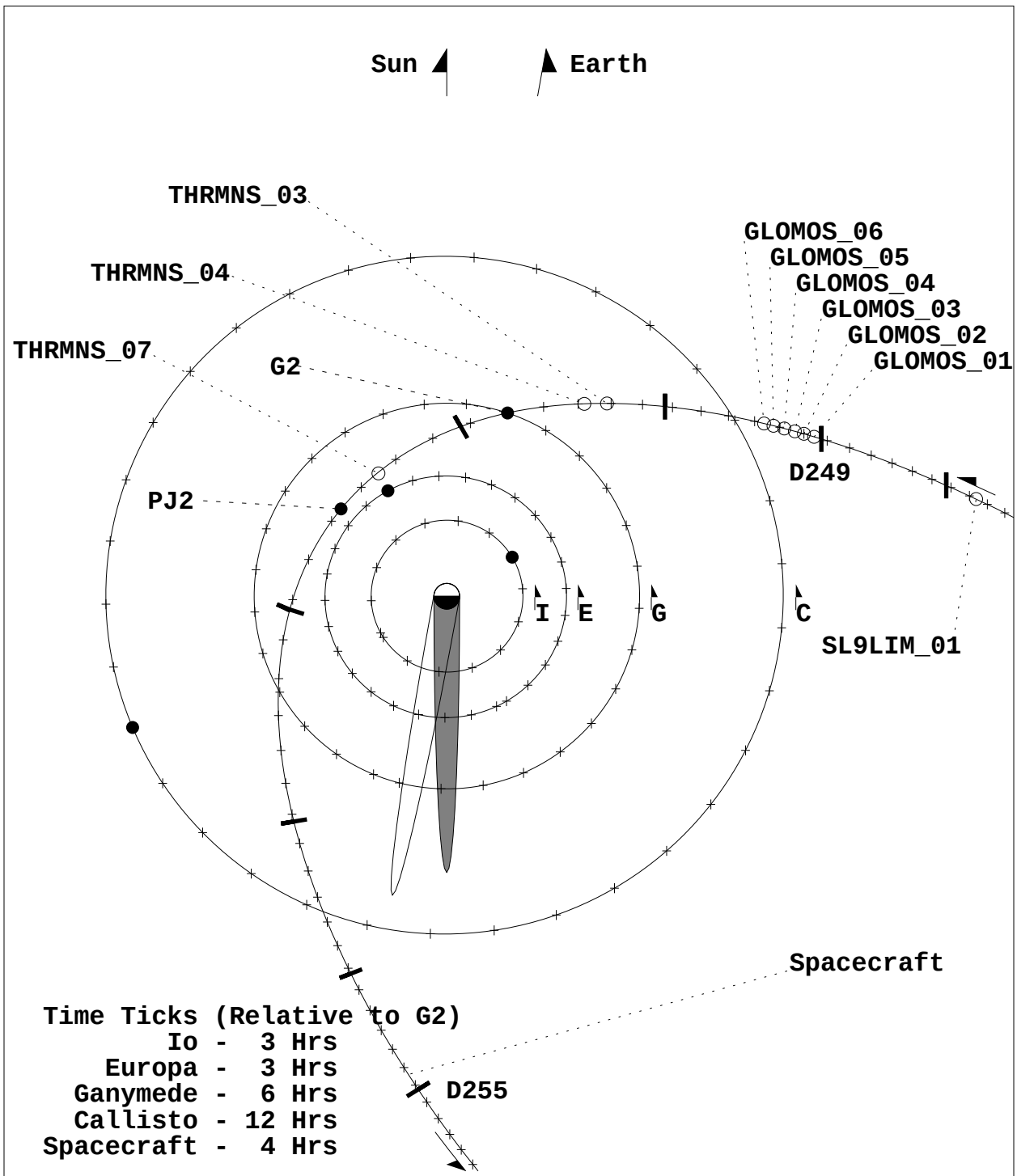
NIMS G2 SATELLITE OBSERVATIONS



Ganymede Flyby (G2): 06-SEP-1996 (D250) 19:00:41 UTC
Perijove (PJ2): 07-SEP-1996 (D251) 13:38:26 UTC

G2 North Trajectory Pole View

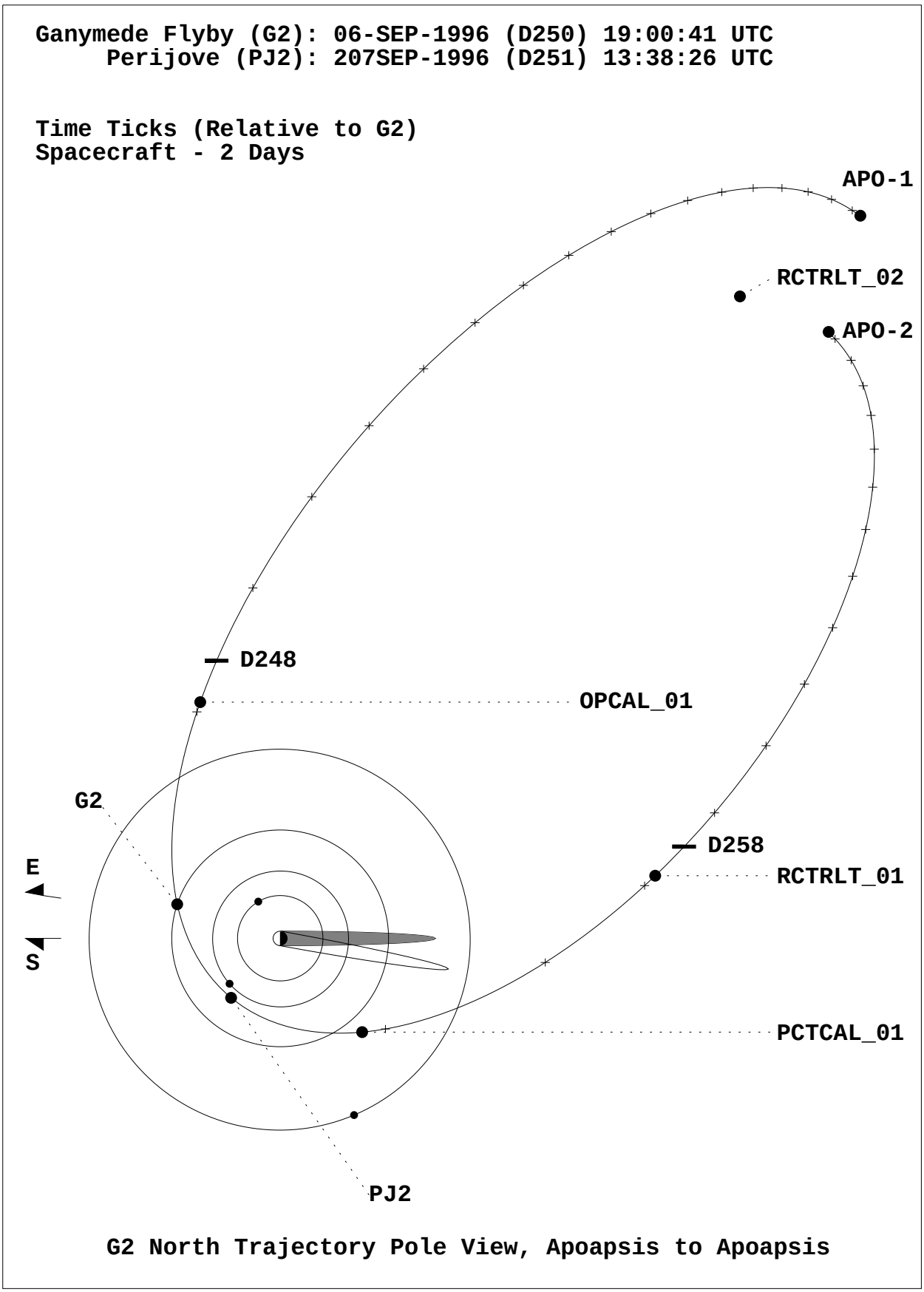
NIMS G2 JUPITER OBSERVATIONS



Ganymede Flyby (G2): 06-SEP-1996 (D250) 19:00:41 UTC
Perijove (PJ2): 07-SEP-1996 (D251) 13:38:26 UTC

G2 North Trajectory Pole View

NIMS G2 CALIBRATIONS



G2 North Trajectory Pole View, Apoapsis to Apoapsis

NIMS G2 Instrument States and Resource Usage

ACTID	NIMS mode	Record mode	Tics	Number wavelength return	Observation record time (sec)	Observation playback time (sec)	Selected Bits of Tape sBOT (Mbits)	Total Bits of Tape BOT (Mbits)
G2NNRECOVY01-	LM	Real Time		3				
G2JNSL9LIM01-	LM	LPU	85.7037	80	361	27	**0.17**	**2.23**
G2NNOPCAL_01-	LM	R/T		48				
G2JNGLOMOS01-	XM	LPU	139.6145	5	591	589	**3.64**	**3.65**
G2JNGLOMOS02-	XM	LPU	139.6145	5	591	589	**3.64**	**3.65**
G2JNGLOMOS03-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS04-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS05-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS06-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2HNDARK_02-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**
G2NNRECOVY02-	LM	Real Time		3				
G2JNTHRMNS03-	LM	LPU	351.9671	80	1497	353	**2.18**	**9.24**
G2JNTHRMNS04-	LM	LPU	350.4177	80	1491	27	**0.16**	**9.19**
G2NNRECOVY03-	LM	Real Time		3				
G2GNSIPPAR01-	LM	LPU	157.4245	204	667	118	**0.73**	**4.12**
G2GNNRPOLE01-	FM	MPW	1025.4771	204	1163	270	**3.12**	**13.44**
G2GNTAMMUZ01-	LM	LPU	129.9200	204	550	545	**3.36**	**3.39**
G2GNANTUM 01-	FM	MPW	255.5379	204	287	286	**3.31**	**3.32**
G2GNLIMBSC01+	XS	MPW		3	182	181	**2.10**	**2.10**
G2GNBRFRGR01-	FM	MPW	147.7434	204	165	161	**1.86**	**1.90**
G2INCHEMIS01-	LM	MPW	183.1745	228	205	199	**2.30**	**2.37**
G2INCHEMIS02-	LM	LPU	58.5061	228	245	243	**1.50**	**1.51**
G2HNDARK_03-	LM	MPW	59.8358	34	65	65	**0.75**	**0.75**
G2INHRSPEC01-	LM	MPW	252.6076	408	284	283	**3.27**	**3.28**
G2INIOMON_01-	LM	Real Time						
G2JNTHRMNS07-	LM	LPU	785.3024	80	3346	129	**0.80**	**20.64**
G2INCHEMIS03-	LM	LPU	66.2413	102	278	276	**1.70**	**1.72**
G2INCHEMIS04-	LM	LPU	55.6996	102	233	232	**1.43**	**1.44**
G2ENLEADMP01-	LM	LPU	43.0420	204	179	179	**1.10**	**1.11**
G2HNDARK_04-	LM	MPW	59.8358	34	65	65	**0.75**	**0.75**
G2ENEURORT01-	LM	Real Time						
G2INCHEMIS05-	LM	MPW	125.4659	102	139	138	**1.59**	**1.61**

NIMS G2 Instrument States and Resource Usage

ACTID	NIMS mode	Record mode	Tics	Number wavelength return	Observation record time (sec)	Observation playback time (sec)	Selected Bits of Tape sBOT (Mbits)	Total Bits of Tape BOT (Mbits)
G2INTHRMAL01-	LM	LPU	13.3454	10	53	53	**0.32**	**0.32**
G2INVOLCAN01-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN02-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN03-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN04-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN05-	LM	LPU	8.7352	10	33	33	**0.20**	**0.20**
G2HNDARK 05-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**
G2PCTCAL01(PCT)	LM	LPU	132.4512	128	563	186	**1.15**	**3.47**
G2NNRECOVY04-	LM	Real Time		3				
G2CNGLOBAL01-	LM	MPW	547.3379	408	619	619	**7.16**	**7.16**
G2HNDARK 06-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**
G2CNCALRT_01-	LM	Real Time						
G2NNRCTRLT01-	LM	Real Time		252				
G2NNRCTRLT02-	LM	Real Time		252				
G2NNOPCAL_02-	LM	R/T		48				
Total			**5816.56**					**119.15**
Allocated			**6056.86**					
Oversubscribed			**-240.30**					

ACTID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG	Threshold	Comp.	Playback BTG (w/ 4% overhead)	Data Reduction Factor (sBOT/BTG)
G2NNRECOVY01-	8.667		0.00				
G2JNSL9LIM01-	8.667	0.02		0	2.00	0.026	**6.43**
G2NNOPCAL_01-	8.667		0.00				
G2JNGLOMOS01-	0.333	0.03		0	2.00	0.920	**3.95**
G2JNGLOMOS02-	0.333	0.03		0	2.00	0.920	**3.95**
G2JNGLOMOS03-	0.333	0.03		0	2.00	0.921	**3.95**
G2JNGLOMOS04-	0.333	0.03		0	2.00	0.921	**3.95**
G2JNGLOMOS05-	0.333	0.03		0	2.00	0.921	**3.95**
G2JNGLOMOS06-	0.333	0.03		0	2.00	0.921	**3.95**
G2HNDARK_02-	8.667	0.00		0	4.00	0.013	**30.24**
G2NNRECOVY02-	8.667		0.00				
G2JNTHRMNS03-	8.667	0.09		0	2.00	0.339	**6.43**
G2JNTHRMNS04-	8.667	0.09		0	2.00	0.026	**6.43**
G2NNRECOVY03-	8.667		0.00				
G2GNSIPPAR01-	8.667	0.04		0	2.20	0.263	**2.77**
G2GNNRPOLE01-	4.333	0.07		0	2.20	1.200	**2.60**
G2GNTAMMUZ01-	8.667	0.03		0	2.20	1.214	**2.77**
G2GNANTUM 01-	4.333	0.02		0	2.20	1.273	**2.60**
G2GNLIMBSC01+	0.167	0.01		0	2.20	0.309	**6.79**
G2GNBRFRGR01-	4.333	0.01		0	2.20	0.715	**2.60**
G2INCHEMIS01-	8.667	0.01		0	2.20	0.494	**4.65**
G2INCHEMIS02-	8.667	0.01		0	2.20	0.604	**2.48**
G2HNDARK_03-	8.667	0.00		0	4.00	0.013	**56.65**
G2INHRSPEC01-	8.667	0.02		0	2.20	1.258	**2.60**
G2INIOMON_01-			0.03				
G2JNTHRMNS07-	8.667	0.19		0	2.00	0.124	**6.43**
G2INCHEMIS03-	8.667	0.02		0	2.20	0.307	**5.54**
G2INCHEMIS04-	8.667	0.01		0	2.20	0.258	**5.54**
G2ENLEADMP01-	8.667	0.01		2	3.00	0.292	**3.78**
G2HNDARK_04-	8.667	0.00		0	4.00	0.013	**56.65**
G2ENEURORT01-			0.02	2			
G2INCHEMIS05-	8.667	0.01		0	2.20	0.154	**10.39**

NIMS G2 Instrument States and Resource Usage

ACTID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG	Threshold	Comp.	Playback BTG (w/ 4% overhead)	Data Reduction Factor (sBOT/BTG)
G2INTHRMAL01-	8.667	0.00		0	2.20	0.006	**56.54**
G2INVOLCAN01-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN02-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN03-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN04-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN05-	8.667	0.00		0	2.20	0.004	**56.54**
G2HNDARK 05-	8.667	0.00		0	4.00	0.013	**30.24**
G2PCTCAL01(PCT)	8.667	0.03		0	2.20	0.260	**4.42**
G2NNRECOVY04-	8.667		0.00	0			
G2CNGLOBAL01-	8.667	0.04		2	3.00	2.021	**3.54**
G2HNDARK 06-	8.667	0.00		0	4.00	0.013	**30.24**
G2CNCALRT_01-			0.02				
G2NNRCTRLT01-	8.667		0.04				
G2NNRCTRLT02-	8.667		0.04				
G2NNOPCAL_02-	8.667		0.00				
Total		**0.95**	**0.15**			**16.750**	
Allocated						**16.752**	
Oversubscribed						**-0.002**	

NIMS G2 Instrument States and Resource Usage (AWG)

ACTID	NIMS mode	Record mode	Tics	Number wavelength return	Observation record time (sec)	Observation playback time (sec)	Selected Bits of Tape sBOT (Mbits)	Total Bits of Tape BOT (Mbits)
G2JNGLOMOS01-	XM	LPU	139.6145	5	591	589	**3.64**	**3.65**
G2JNGLOMOS02-	XM	LPU	139.6145	5	591	589	**3.64**	**3.65**
G2JNGLOMOS03-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS04-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS05-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNGLOMOS06-	XM	LPU	139.6145	5	591	590	**3.64**	**3.65**
G2JNSL9LIM01-	LM	LPU	85.7037	80	361	27	**0.17**	**2.23**
G2JNTHRMNS03-	LM	LPU	351.9671	80	1497	353	**2.18**	**9.24**
G2JNTHRMNS04-	LM	LPU	350.4177	80	1491	27	**0.16**	**9.19**
G2JNTHRMNS07-	LM	LPU	785.3024	80	3346	129	**0.79**	**20.64**
Total			**2411.08**					**63.18**
Allocated			**2364.10**					
Oversubscribed			**46.98**					

ACTID	Mode cycle time (sec)	AACS Mbits compress 2.5	Threshold	Comp.	Total BTG (w/ 4% overhead)	Data Reduction Factor (sBOT/BTG)
G2JNGLOMOS01-	0.333	0.03	0	2.00	0.920	**3.95**
G2JNGLOMOS02-	0.333	0.03	0	2.00	0.920	**3.95**
G2JNGLOMOS03-	0.333	0.03	0	2.00	0.921	**3.95**
G2JNGLOMOS04-	0.333	0.03	0	2.00	0.921	**3.95**
G2JNGLOMOS05-	0.333	0.03	0	2.00	0.921	**3.95**
G2JNGLOMOS06-	0.333	0.03	0	2.00	0.921	**3.95**
G2JNSL9LIM01-	8.667	0.02	0	2.00	0.026	**6.43**
G2JNTHRMNS03-	8.667	0.09	0	2.00	0.339	**6.43**
G2JNTHRMNS04-	8.667	0.09	0	2.00	0.026	**6.43**
G2JNTHRMNS07-	8.667	0.19	0	2.00	0.124	**6.43**
Total		**0.59**			**6.040**	
Allocated					**6.040**	
Oversubscribed					**0.000**	

ACTID	NIMS mode	Record mode	Tics	Number wavelength return	Observation record time (sec)	Observation playback time (sec)	Selected Bits of Tape sBOT (Mbits)	Total Bits of Tape BOT (Mbits)
G2CNGLOBAL01-	LM	MPW	547.3379	408	619	619	**7.15**	**7.16**
G2CNCALRT_01-	LM	R/T						
G2ENLEADMP01-	LM	LPU	43.0420	204	179	179	**1.10**	**1.11**
G2ENEURORT01-	LM	R/T						
G2GNANTUM 01-	FM	MPW	255.5379	204	287	286	**3.31**	**3.32**
G2GNBRFRGR01-	FM	MPW	147.7434	204	165	161	**1.86**	**1.90**
G2GNLIMBSC01+	XS	MPW		3	182	181	**2.10**	**2.10**
G2GNSIPPAR01-	LM	LPU	157.4245	204	667	118	**0.73**	**4.12**
G2GNNRPOLE01-	FM	MPW	1025.4771	204	1163	270	**3.12**	**13.44**
G2GNTAMMUZ01-	LM	LPU	129.9200	204	550	545	**3.36**	**3.39**
G2INCHEMIS01-	LM	MPW	183.1745	228	205	199	**2.30**	**2.37**
G2INCHEMIS02-	LM	LPU	58.5061	228	245	243	**1.50**	**1.51**
G2INCHEMIS03-	LM	LPU	66.2413	102	278	276	**1.70**	**1.72**
G2INCHEMIS04-	LM	LPU	55.6996	102	233	232	**1.43**	**1.44**
G2INCHEMIS05-	LM	MPW	125.4659	102	139	138	**1.59**	**1.61**
G2INHRSPEC01-	LM	MPW	252.6076	408	284	283	**3.27**	**3.28**
G2INTHRMAL01-	LM	LPU	13.3454	10	53	53	**0.32**	**0.32**
G2INVOLCAN01-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN02-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN03-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN04-	LM	LPU	8.6574	10	33	33	**0.20**	**0.20**
G2INVOLCAN05-	LM	LPU	8.7352	10	33	33	**0.20**	**0.20**
G2INIOMON_01-	LM	R/T						
G2HNDARK 02-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**
G2HNDARK 03-	LM	MPW	59.8358	34	65	65	**0.75**	**0.75**
G2HNDARK 04-	LM	MPW	59.8358	34	65	65	**0.75**	**0.75**
G2HNDARK 05-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**
G2HNDARK 06-	LM	LPU	16.1579	34	65	65	**0.40**	**0.40**

NIMS G2 Instrument States and Resource Usage (SWG)

ACTID	NIMS mode	Record mode	Tics	Number wavelength return	Observation record time (sec)	Observation playback time (sec)	Selected Bits of Tape sBOT (Mbits)	Total Bits of Tape BOT (Mbits)
G2NNOPCAL_01-	LM	R/T		48	11			
G2NNOPCAL_02-	LM	R/T		48	11			
G2NNRCTRLT01-	LM	R/T		252	35			
G2NNRCTRLT02-	LM	R/T		252	35			
G2PCTCAL01(PCT)	LM	LPU	132.4512	128	563	186	**1.15**	**3.47**
Total			**3405.48**					**55.97**
Allocated			**3692.76**					
Oversubscribed			**-287.28**					

ACTID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG	Threshold	Comp.	Playback BTG (w/ 4% overhead)	Data Reduction Factor (sBOT/BTG)
G2CNGLOBAL01-	8.667	0.04		2	3.00	2.020	**3.54**
G2CNCALRT_01-			0.02				
			0.02			**2.020**	
G2ENLEADMP01-	8.667	0.01		2	3.00	0.292	**3.78**
G2ENEURORT01-			0.02				
			0.02			**0.292**	
G2GNANTUM 01-	4.333	0.02		0	2.20	1.273	**2.60**
G2GNBRFRGR01-	4.333	0.01		0	2.20	0.715	**2.60**
G2GNLIMBSC01+	0.167	0.01		0	2.20	0.309	**6.79**
G2GNSIPPAR01-	8.667	0.04		0	2.20	0.263	**2.77**
G2GNNRPOLE01-	4.333	0.07		0	2.20	1.200	**2.60**
G2GNTAMMUZ01-	8.667	0.03		0	2.20	1.214	**2.77**
						4.973	
G2INCHEMIS01-	8.667	0.01		0	2.20	0.494	**4.65**
G2INCHEMIS02-	8.667	0.01		0	2.20	0.604	**2.48**
G2INCHEMIS03-	8.667	0.02		0	2.20	0.307	**5.54**
G2INCHEMIS04-	8.667	0.01		0	2.20	0.258	**5.54**
G2INCHEMIS05-	8.667	0.01		0	2.20	0.154	**10.39**
G2INHRSPEC01-	8.667	0.02		0	2.20	1.258	**2.60**
G2INTHRMAL01-	8.667	0.00		0	2.20	0.006	**56.54**
G2INVOLCAN01-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN02-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN03-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN04-	8.667	0.00		0	2.20	0.004	**56.54**
G2INVOLCAN05-	8.667	0.00		0	2.20	0.004	**56.54**
G2INIOMON_01-			0.03				
			0.03			**3.098**	
G2HNDARK_02-	8.667	0.00		0	4.00	0.013	**30.24**
G2HNDARK_03-	8.667	0.00		0	4.00	0.013	**56.65**
G2HNDARK_04-	8.667	0.00		0	4.00	0.013	**56.65**
G2HNDARK_05-	8.667	0.00		0	4.00	0.013	**30.24**
G2HNDARK_06-	8.667	0.00		0	4.00	0.013	**30.24**

ACTID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG	Threshold	Comp.	Playback BTG (w/ 4% overhead)	Data Reduction Factor (sBOT/BTG)
G2NNOPCAL_01-	8.667		0.00				
G2NNOPCAL_02-	8.667		0.00				
G2NNRCTRLT01-	8.667		0.04				
G2NNRCTRLT02-	8.667		0.04				
G2PCTCAL01(PCT)	8.667	0.03		0	2.20	0.260	**4.42**
			0.08			**0.326**	
Total		**0.36**	**0.148**			**10.709**	
Allocated						**10.712**	
Oversubscribed						**-0.003**	

NIMS G2 Inputs

Activity ID	Observation Title	Start time of Activity	Mode	Gain	Record Format
G2NNRECOVY01-	G2 RECOVERY 1	96-247/17:12:30.000	LM	2	Real Time
G2JNSL9LIM01-	JUPITER SL9 IMPACT SITE LIMB OBSERVATION	96-247/17:22:27.933	LM	2	LPU
G2NNOPCAL_01-	OPCAL	96-248/12:44:59.333	LM	4	Real Time
G2JNGLOMOS01-	JUPITER GLOBAL MOSAIC PART 1	96-249/01:06:59.267	XM	2	LPU
G2JNGLOMOS02-	JUPITER GLOBAL MOSAIC PART 2	96-249/02:46:59.267	XM	2	LPU
G2JNGLOMOS03-	JUPITER GLOBAL MOSAIC PART 3	96-249/04:26:59.267	XM	2	LPU
G2JNGLOMOS04-	JUPITER GLOBAL MOSAIC PART 4	96-249/06:03:56.600	XM	2	LPU
G2JNGLOMOS05-	JUPITER GLOBAL MOSAIC PART 5	96-249/07:47:56.600	XM	2	LPU
G2JNGLOMOS06-	JUPITER GLOBAL MOSAIC PART 6	96-249/09:27:00.600	XM	2	LPU
G2HNDARK 02-	DARK OBSERVATION NO. 2	96-249/09:42:12.000	LM	2	LPU
G2NNRECOVY02-	G2 RECOVERY 2	96-249/17:00:00.667	LM	2	Real Time
G2JNTHRMNS03-	JUPITER NORTH/SOUTH STRIPES 3	96-250/07:17:57.933	LM	2	LPU
G2JNTHRMNS04	JUPITER NORTH/SOUTH STRIPES 4	96-250/10:05:57.933	LM	2	LPU
G2NNRECOVY03-	G2 RECOVERY 3	96-250/11:39:18.667	LM	2	Real Time
G2GNSIPPAR01	Ganymede Regional Map of Sippar	96-250/16:07:15.333	LM	2	LPU
G2GNNRPOLE01-	North Pole Region Map	96-250/17:27:06.667	FM	3	MPW
G2GNTAMMUZ01-	TAMMUZ BRIGHT RAYED CRATER	96-250/17:56:22.000	LM	2	LPU
G2GNANTUM 01-	ANTUM DARK RAYED CRATER	96-250/18:38:22.000	FM	2	MPW
G2GNLIMBSC01+	LIMB SCAN FOR ATMOSPHERE	96-250/18:47:00.667	XS	4	MPW
G2GNBRFRGR01-	BRFRGR BRIGHT FROST GROOVES	96-250/18:53:08.000	FM	3	MPW
LOAD A		96-250/21:16:39.333			
G2INCHEMIS01-	MONITORING OF IO'S DAYSIDE	96-250/22:46:38.666	LM	2	MPW
G2INCHEMIS02-	MONITORING OF IO'S DAYSIDE	96-251/01:43:58.600	LM	2	LPU
G2HNDARK 03-	DARK OBSERVATION NO. 3	96-251/02:50:19.333	LM	3	MPW
G2INHRSPEC01-	MONITORING OF IO'S DAYSIDE	96-251/05:21:01.266	LM	2	MPW
G2INIOMON_01	Io Monitoring in Real Time	96-251/08:02:45.266	XM	2	Real Time
G2JNTHRMNS07-	JUPITER NORTH/SOUTH STRIPES 7	96-251/08:19:27.933	LM	2	LPU
G2INCHEMIS03-	MONITORING OF IO'S DAYSIDE	96-251/09:34:59.932	LM	2	LPU
G2INCHEMIS04-	MONITORING OF IO'S DAYSIDE	96-251/13:59:57.932	LM	2	LPU
G2ENLEADMP01-	EUROPA LEAD MAP	96-251/17:07:45.932	LM	3	LPU

NIMS G2 Inputs

Activity ID	Observation Title	Start time of Activity	Mode	Gain	Record Format
G2HNDARK 04-	DARK OBSERVATION NO. 4	96-251/17:16:50.666	LM	3	MPW
G2ENEURORT01	Europa Monitoring in Real Time	96-251/17:28:58.599	LM	3	Real Time
G2INCHEMIS05-	MONITORING OF IO'S DAYSIDE	96-251/21:20:59.932	LM	2	MPW
G2INTHRMAL01-	MONITORING OF IO'S NIGHTSIDE	96-251/21:27:59.932	LM	4	LPU
G2INVOLCAN01-	MONITORING OF SELECTED VOLCANICS	96-251/22:20:10.599	LM	2	LPU
G2INVOLCAN02-	MONITORING OF SELECTED VOLCANICS	96-251/23:20:50.599	LM	2	LPU
G2INVOLCAN03-	MONITORING OF SELECTED VOLCANICS	96-252/00:35:39.932	LM	2	LPU
G2INVOLCAN04-	MONITORING OF SELECTED VOLCANICS	96-252/03:06:19.266	LM	2	LPU
G2INVOLCAN05-	MONITORING OF SELECTED VOLCANICS	96-252/05:14:43.932	LM	2	LPU
G2HNDARK 05-	DARK OBSERVATION NO. 5	96-252/05:20:47.999	LM	2	LPU
LOAD B		96-252/10:05:56.000			
G2NNPCTCAL01(PCT)	PCT Calibration	96-252/13:54:26.666	LM	4	LPU
G2NNPCTCAL01(OPCAL)	PCT Calibration	96-252/13:54:26.666	LM	4	LPU
G2NNRECOVY04-	G2 RECOVERY 4	96-252/23:30:46.666	LM	4	Real Time
G2CNGLOBAL01-	G2 CALLISTO GLOBAL COVERAGE	96-253/10:25:58.466	LM	4	MPW
G2HNDARK 06-	DARK OBSERVATION NO. 6	96-253/10:49:13.999	LM	4	LPU
G2CNCALLRT01	Callisto Monitoring in Real Time	96-253/10:59:20.466	LM	4	Real Time
G2NNRCTRLT01	RCT Calibration	96-256/08:24:06.334	LM	1	Real Time
G2NNRCTRLT02-	RCT Calibration	96-287/18:05:00.667	LM	1	Real Time
G2NNOPCAL_02-	OPCAL	96-300/09:57:23.999	LM	4	Real Time

NIMS G2 Inputs

Activity ID	NIMS Edit Table	NIMS Playback Table	Extra Detectors Recorded	Grating Start Position	Grating Offset	DSN Coverage
G2NNRECOVY01-	G2RCVY3			0	4	M
G2JNSL9LIM01-	G2JSB253A	G2JSB80A		0	4	M
G2NNOPCAL_01-	G2OPCAL48			0	4	C,M
G2JNGLOMOS01-	G2JGM10A	G2JGM05A		5	4	G
G2JNGLOMOS02-	G2JGM10A	G2JGM05A		5	4	C,G
G2JNGLOMOS03-	G2JGM10A	G2JGM05A		5	4	C
G2JNGLOMOS04-	G2JGM10A	G2JGM05A		5	4	C
G2JNGLOMOS05-	G2JGM10A	G2JGM05A		5	4	C
G2JNGLOMOS06-	G2JGM10A	G2JGM05A		5	4	C
G2HNDARK 02-	G2DRK34	G2DRK34		0	4	C
G2NNRECOVY02-	G2RCVY3			0	4	M
G2JNTHRMNS03-	G2J5M253A	G2J5M80A		0	4	C
G2JNTHRMNS04	G2J5M253A	G2J5M80A		0	4	C
G2NNRECOVY03-	G2RCVY3			0	4	C
G2GNSIPPAR01	G2GLM245B	G2GLM204	7,8	0	4	M
G2GNNRPOLE01-	G2GFM221	G2GFM204		0	4	M
G2GNTAMMUZ01-	G2GLM245C	G2GLM204	6,7	0	4	M
G2GNANTUM 01-	G2GFM221	G2GFM204		0	4	M
G2GNLIMBSC01+	G2GXS17	G2GXS003		1	4	M
G2GNBRFRGR01-	G2GFM221	G2GFM204		0	4	M
LOAD A						M
G2INCHEMIS01-	G2ILM245	G2ILM228	9,10	0	4	M,G
G2INCHEMIS02-	G2ILM245	G2ILM228	9,10	0	4	G
G2HNDARK 03-	G2DRK34	G2DRK34		0	4	G
G2INHRSPEC01-	G2ILM442	G2ILM408		0	4	C
G2INIOMON_01	G2IXM8RT			21	4	C
G2JNTHRMNS07-	G2J5M253A	G2J5M80A		0	4	C
G2INCHEMIS03-	G2ILM245	G2ILM102	9,10	0	4	C
G2INCHEMIS04-	G2ILM245	G2ILM102	9,10	0	4	C
G2ENLEADMP01-	G2ELM245	G2ELM204	6,7	0	4	M

NIMS G2 Inputs

Activity ID	NIMS Edit Table	NIMS Playback Table	Extra Detectors Recorded	Grating Start Position	Grating Offset	DSN Coverage
G2HNDARK 04-	G2DRK34	G2DRK34		0	4	M
G2ENEURORT01	G2ELM442			0	4	M
G2INCHEMIS05-	G2ILM442	G2ILM102		0	4	M
G2INTHRMAL01-	G2ILMDK245	G2ILMDK10		0	4	M
G2INVOLCAN01-	G2ILMDK245	G2ILMDK10		0	4	G
G2INVOLCAN02-	G2ILMDK245	G2ILMDK10		0	4	G
G2INVOLCAN03-	G2ILMDK245	G2ILMDK10		0	4	G
G2INVOLCAN04-	G2ILMDK245	G2ILMDK10		0	4	G
G2INVOLCAN05-	G2ILMDK245	G2ILMDK10		0	4	G
G2HNDARK 05-	G2DRK34	G2DRK34		0	4	G
LOAD B						C
G2NNPCTCAL01(PCT)	G2PCT252	G2PCT128		0	4	C
G2NNPCTCAL01(OPCAL)	G2PCT252	G2OPCAL48		0	4	C
G2NNRECOVY04-	G2RCVY3			0	4	G
G2CNGLOBAL01-	G2CLM442	G2CLM408		0	4	C
G2HNDARK 06-	G2DRK34	G2DRK34		0	4	C
G2CNCALLRT01	G2CLM442			0	4	C
G2NNRCTRLT01	G2RCT252			0	4	C
G2NNRCTRLT02-	G2RCT252			0	4	M
G2NNOPCAL_02-	G2OPCAL48			0	4	C

NIMS G2 OBSERVING GEOMETRY

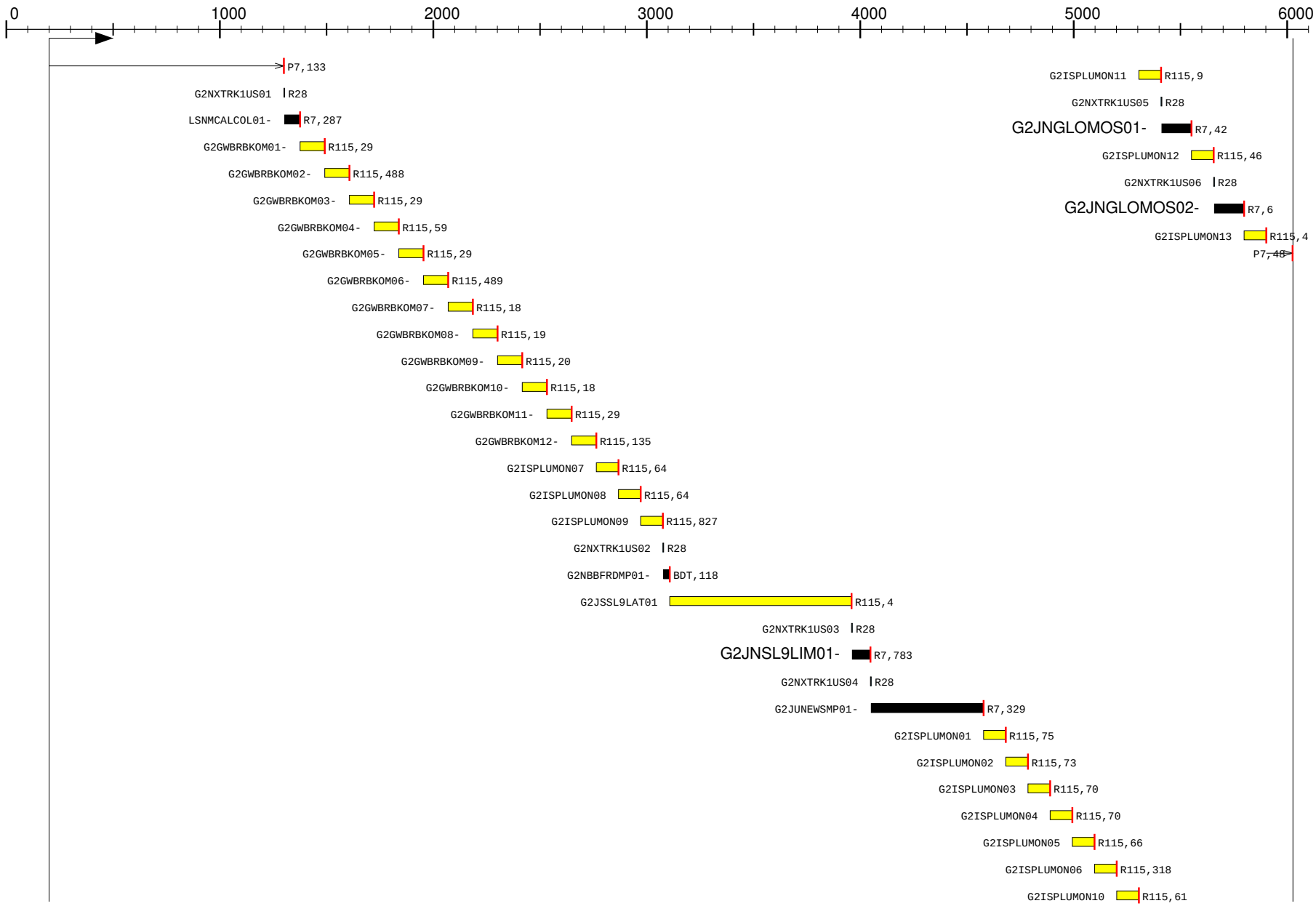
OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G2JNSL9LIM01	-40 to -45	338 to 36	2,950K	109	40 to 58	54 to 89	80
G2JNGLOMOS01	-90 to +90	45 to 160	2,200K	122	0 to 90	0 to 90	67
G2JNGLOMOS02	-90 to +90	105 to 215	2,150K	124	0 to 90	0 to 90	66
G2JNGLOMOS03	-90 to +90	163 to 275	2,100K	124	0 to 90	0 to 90	65
G2JNGLOMOS04	-90 to +90	222 to 335	2,100K	125	0 to 90	0 to 90	64
G2JNGLOMOS05	-90 to +90	282 to 30	2,000K	126	0 to 90	0 to 90	63
G2JNGLOMOS06	-90 to +90	342 to 90	2,000K	127	0 to 90	0 to 90	62
G2JNTHRMNS03	-90 to +90	120 to 130	1,320K	150	40 to 90	0 to 90	39
G2JNTHRMNS04	-90 to +90	208 to 216	1,250K	153	20 to 90	0 to 90	35
G2GNSIPPAR01	-28 to 0	175 to 195	72K	158	21 to 37	3 to 19	31
G2GNNRPOLE01	+50 to +90	125 to 250	38K	159	50 to 90	60 to 90	30
G2GNTAMMUZ01	+10 to +15	225 to 238	23K	163	65 to 77	41 to 51	26
G2GNANTUM_01	+3 to +7	218 to 222	6K	161	56 to 58	39 to 46	24
G2GNLIMBSC01	-43 to +2	190 to 198	5,500	124	27 to 51	52 to 100	58
G2GNBRFRGR01	70	192	600 to 1500	128 to 172	74	52 to 63	16 to 46

NIMS G2 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G2INCHEMIS01	-90 to _90	60 to 240	585K	151	0 to 75	0 to 72	5
G2INCHEMIS02	-90 to +90	90 to 270	482K	167	0 to 93	0 to 90	4
G2INIOMON_01	-30 to +30	210 to 280	440K	169	13 to 76	14 to 77	2
G2INHRSPEC01	-90 to +90	120 to 300	439K	170	0 to 90	0 to 90	2
G2JNTHRMNS07	-90 to +90	240 to 250	760K	143	20 to 80	0 to 80	27
G2INCHEMIS03	-90 to +90	150 to 330	483K	166	0 to 93	0 to 90	4
G2INCHEMIS04	-90 to +90	180 to 360	587K	151	0 to 110	0 to 90	19
G2ENLEADMP01	-90 to +90	210 to 390	672K	158	0 to 102	0 to 90	12
G2ENEURORT01	-30 to +30	290 to 307	671K	156	0 to 13	0 to 17	14
G2INCHEMIS05	-90 to +90	210 to 390	861K	114	0 to 146	0 to 90	56
G2INTHRMAL01	-90 to +90	200 to 260	867K	113	87 to 147	30 to 90	57
G2INVOLCAN01	-90 to +90	230 to 260	907K	109	90 to 120	35 to 62	61
G2INVOLCAN02	-90 to +90	237 to 267	956K	104	94 to 121	34 to 60	66
G2INVOLCAN03	-90 to +90	240 to 272	1020K	97	100 to 129	34 to 62	73
G2INVOLCAN04	-90 to +90	219 to 292	1150K	85	102 to 167	23 to 90	85
G2INVOLCAN05	-90 to +90	227 to 306	1260K	75	106 to 166	18 to 90	95
G2CNGLOBAL01	-90 to +90	240 to 390	423K	107	33 to 103	31 to 90	63
G2CNCALLRT01	-10 to +10	260 to 330	422K	104	21 to 85	0 to 45	52

Phase 2A Tapemap of g02ab.960821.ssdf
Date: Wed Aug 21 15:04:21 1996 Page: 1

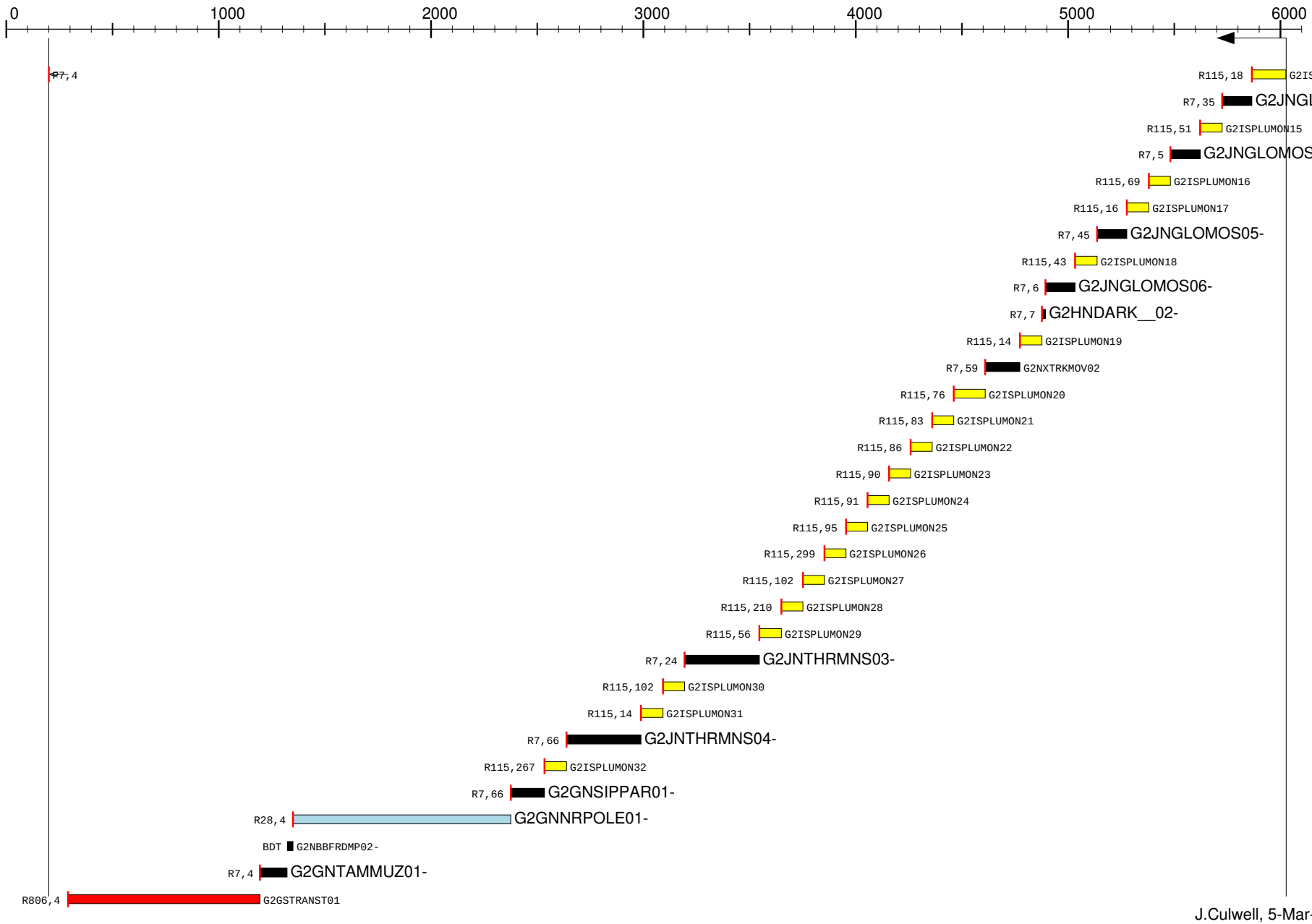
Track 1



J.Culwell, 5-Mar-96, v0.01

Phase 2A Tapemap of g02ab.960821.ssdf
Date: Wed Aug 21 15:04:21 1996 Page: 2

Track 2

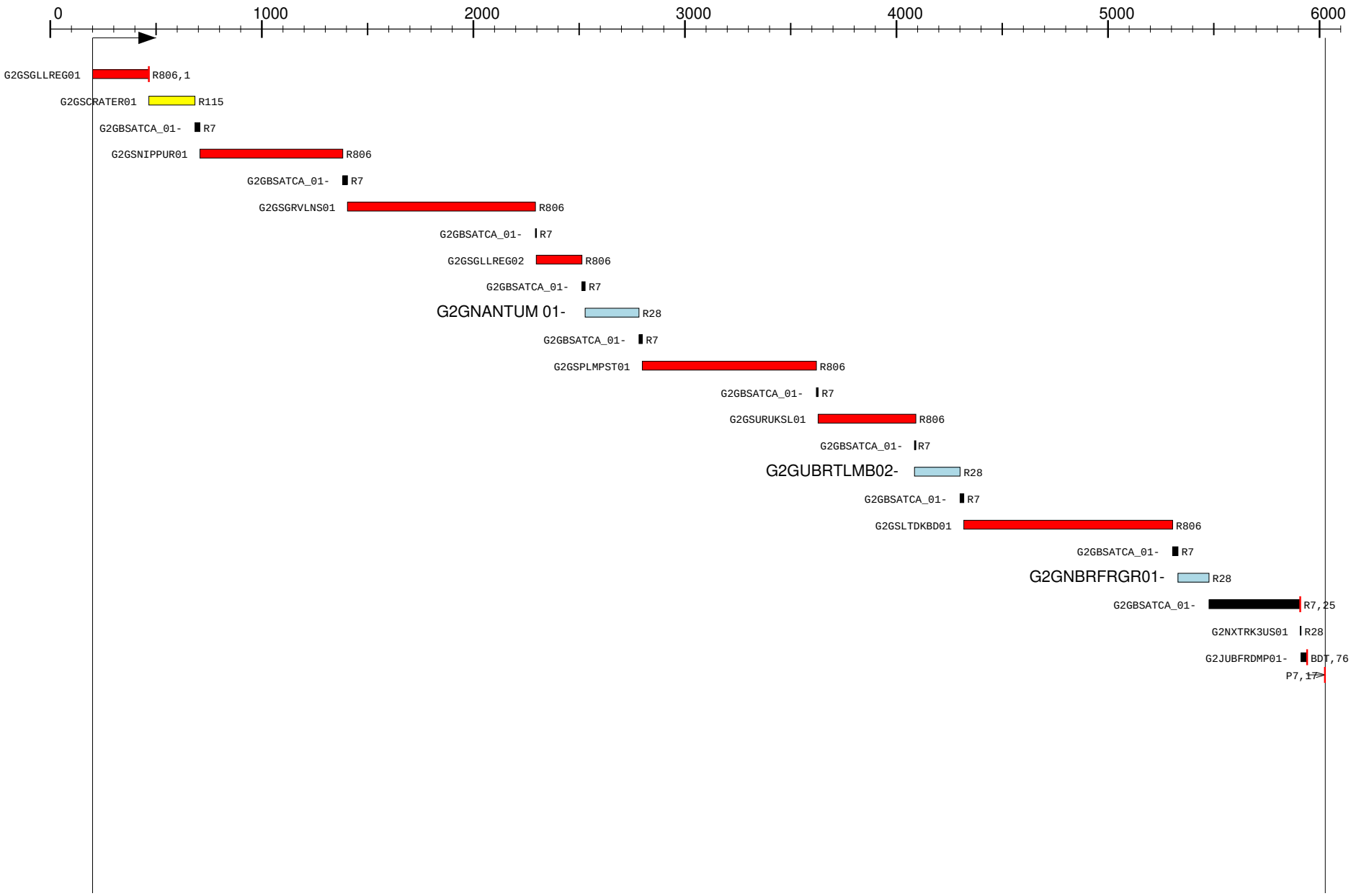


J.Culwell, 5-Mar-96, v0.01

Phase 2A Tapemap of g02ab.960821.ssdf
Date: Wed Aug 21 15:04:21 1996 Page: 3

Track 3

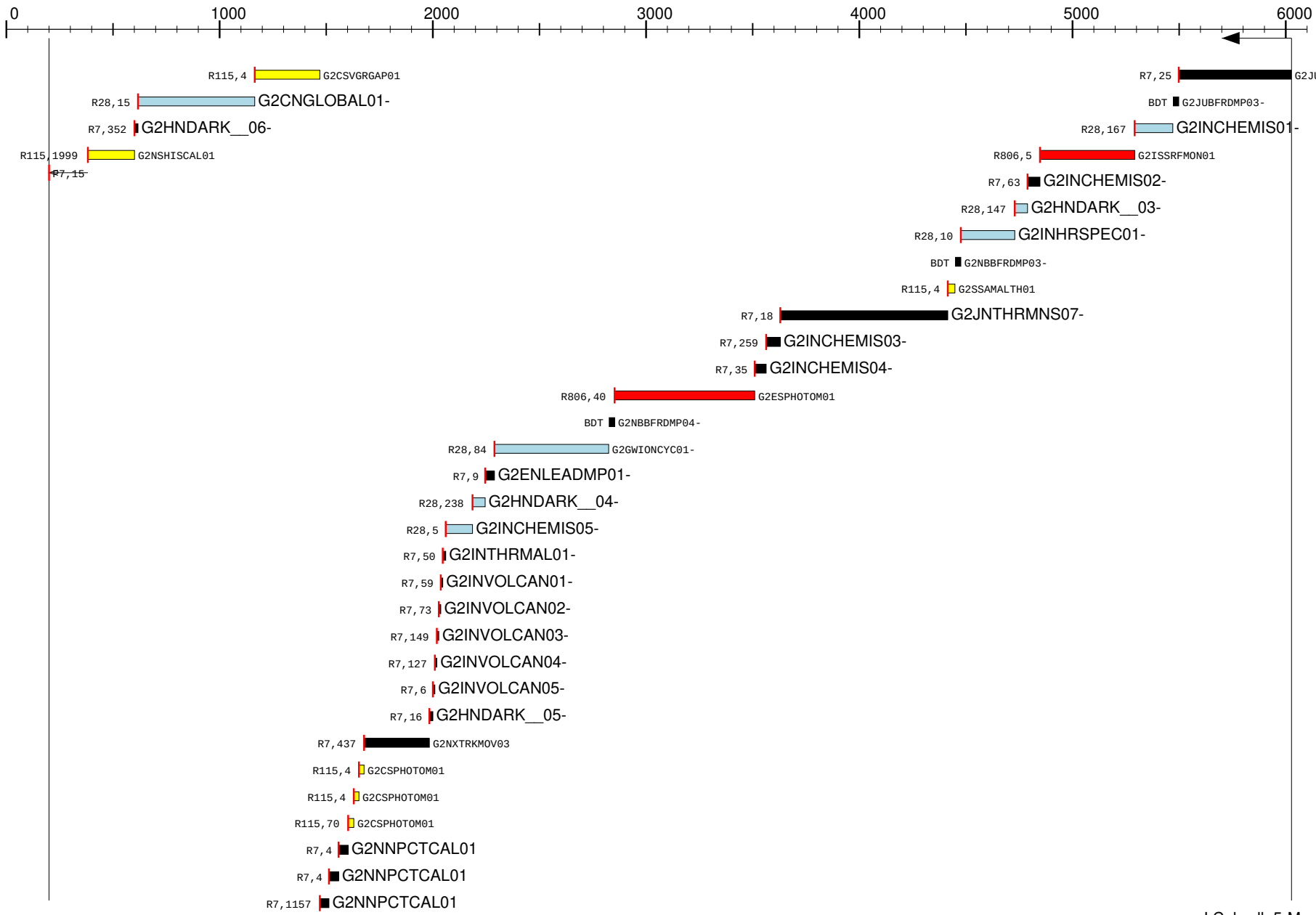
SPOT



J.Culwell, 5-Mar-96, v0.01

Phase 2A Tapemap of g02ab.960821.ssdf
Date: Wed Aug 21 15:04:21 1996 Page: 4

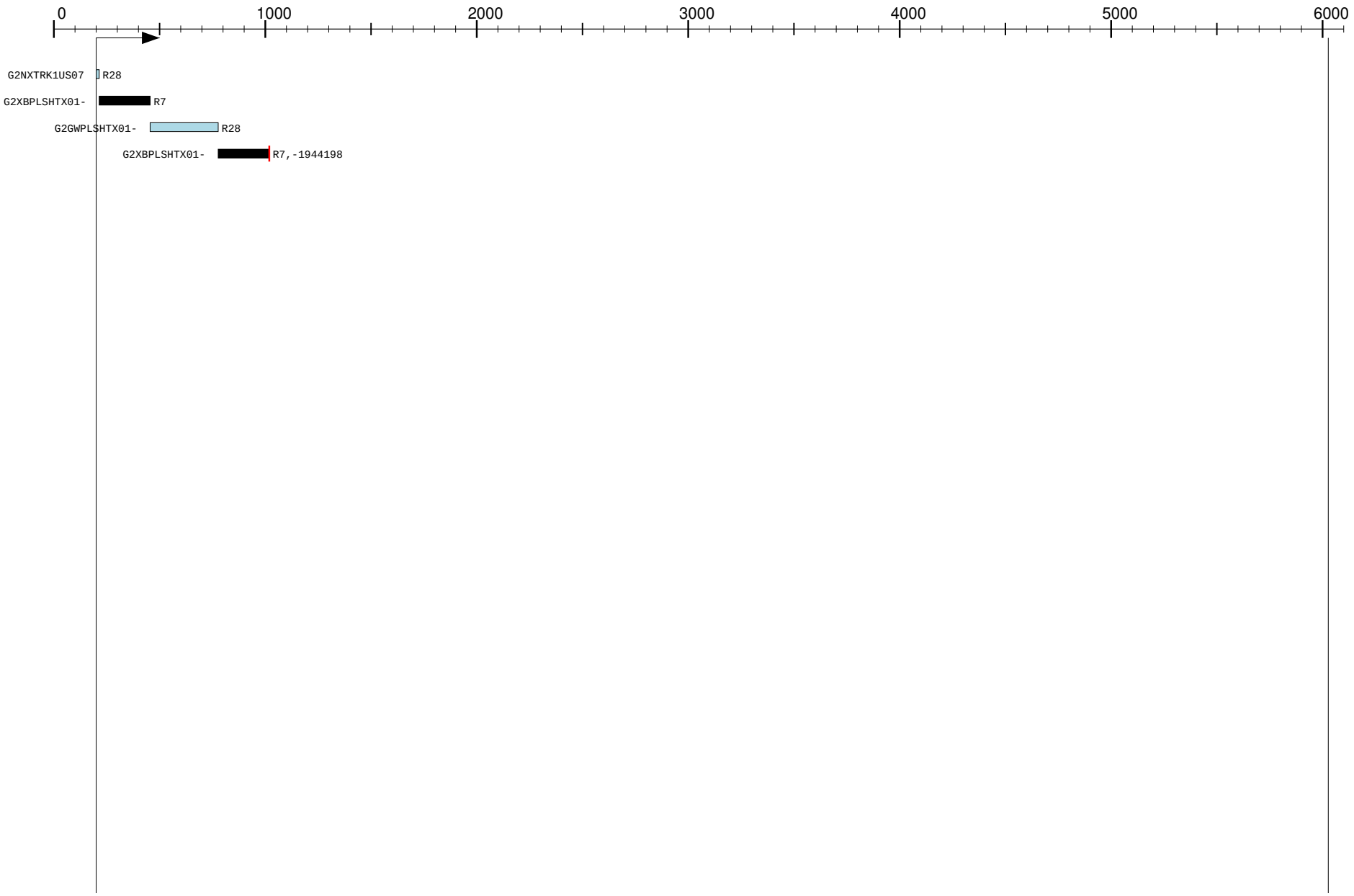
Track 4



J.Culwell, 5-Mar-96, v0.01

Phase 2A Tapemap of g02ab.960821.ssdf
Date: Wed Aug 21 15:04:21 1996 Page: 5

Track 1



J.Culwell, 5-Mar-96, v0.01

G02PCA

Playback / Date Returned

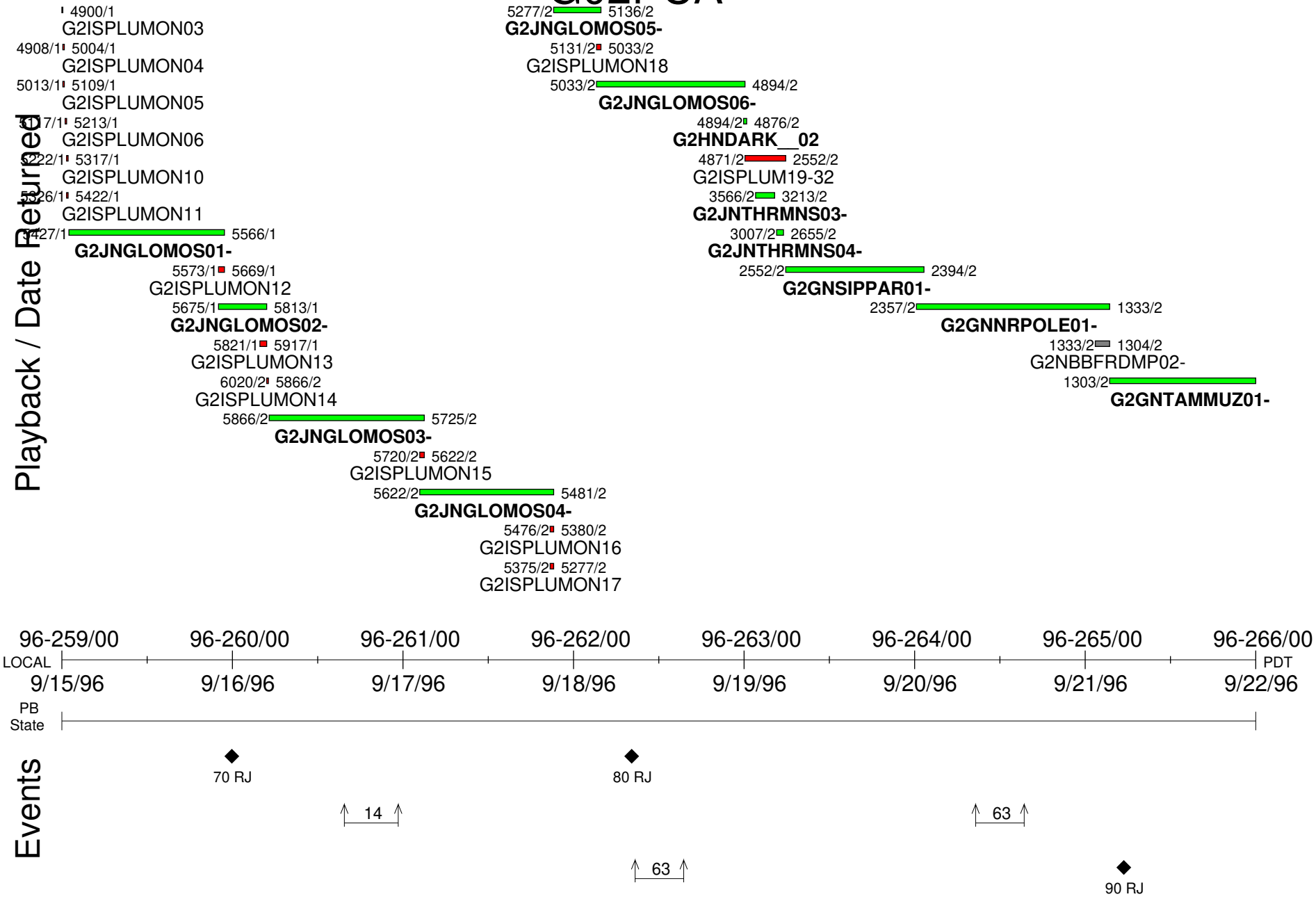
1304/1 1376/1
LSNMCALCOL01-
149 0
G2GWBRBKOM02-
2197/1 2304/1
G2GWBRBKOM08-
2313/1 2420/1
G2GWBRBKOM09-
2545/1 2652/1
G2GWBRBKOM11-
2661/1 2769/1
G2GWBRBKOM12-
2777/1 2873/1
G2ISPLUMON07
2882/1 2977/1
G2ISPLUMON08
2986/1 3082/1
G2ISPLUMON09
3087/1 3116/1
G2NBBFRDMP01-
3123/1 3967/1
G2JSSL9LAT01
3972/1 4057/1
G2JNSL9LIM01-
4061/1 4587/1
G2JUNEWSMP01-
4595/1 4691/1
G2ISPLUMON01
4700/1 4795/1
G2ISPLUMON02
4804/1
G2ISPLUMON03

96-252/00 96-253/00 96-254/00 96-255/00 96-256/00 96-257/00 96-258/00 96-259/00
LOCAL PDT
9/8/96 9/9/96 9/10/96 9/11/96 9/12/96 9/13/96 9/14/96 9/15/96

PB State
I R

Events
G2B-LBDY
Callisto C/A
63
30 RJ
G2XBPLSHTX01
45 RJ
63
25 RJ
14
35 RJ
40 RJ
50 RJ
60 RJ
43
OTM-11 (G2+3DAY)
63
63
55 RJ

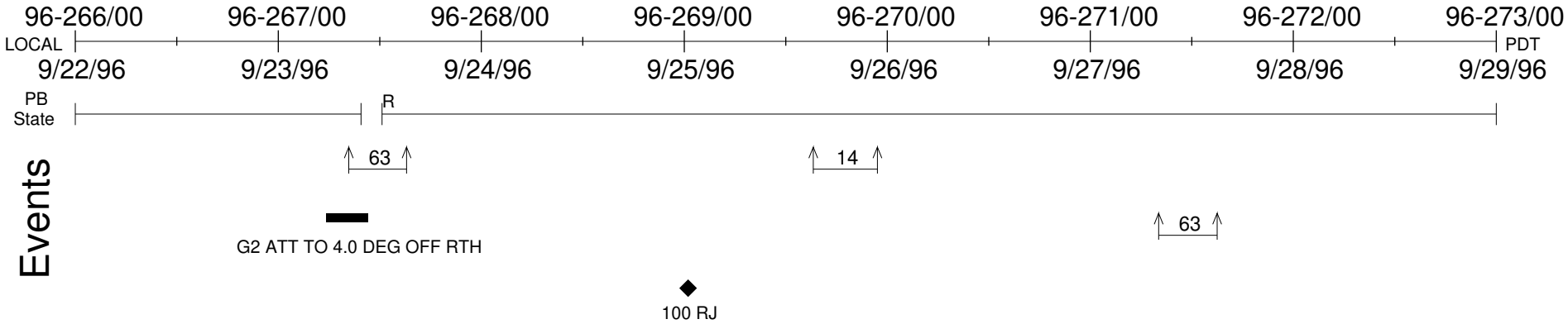
G02PCA


Playback / Date Returned
4900/1
G2ISPLUMON03
4908/1
5004/1
G2ISPLUMON04
5013/1
5109/1
G2ISPLUMON05
5213/1
G2ISPLUMON06
5317/1
G2ISPLUMON10
5422/1
G2ISPLUMON11
5427/1
5566/1
G2JNGLOMOS01-
5573/1
5669/1
G2ISPLUMON12
5675/1
5813/1
G2JNGLOMOS02-
5821/1
5917/1
G2ISPLUMON13
6020/2
5866/2
G2ISPLUMON14
5866/2
5725/2
G2JNGLOMOS03-
5720/2
5622/2
G2ISPLUMON15
5622/2
5481/2
G2JNGLOMOS04-
5476/2
5380/2
G2ISPLUMON16
5375/2
5277/2
G2ISPLUMON17
5277/2
5136/2
G2JNGLOMOS05-
5131/2
5033/2
G2ISPLUMON18
5033/2
4894/2
G2JNGLOMOS06-
4894/2
4876/2
G2HNDARK__02
4871/2
2552/2
G2ISPLUM19-32
3566/2
3213/2
G2JNTHRMNS03-
3007/2
2655/2
G2JNTHRMNS04-
2552/2
2394/2
G2GNSIPPAR01-
2357/2
1333/2
G2GNNRPOLE01-
1333/2
1304/2
G2NBBFRDMP02-
1303/2
G2GNTAMMUZ01-
96-259/00
96-260/00
96-261/00
96-262/00
96-263/00
96-264/00
96-265/00
96-266/00
LOCAL
PDT
9/15/96
9/16/96
9/17/96
9/18/96
9/19/96
9/20/96
9/21/96
9/22/96
PB State
Events
70 RJ
80 RJ
14
63
63
90 RJ

G02PCA

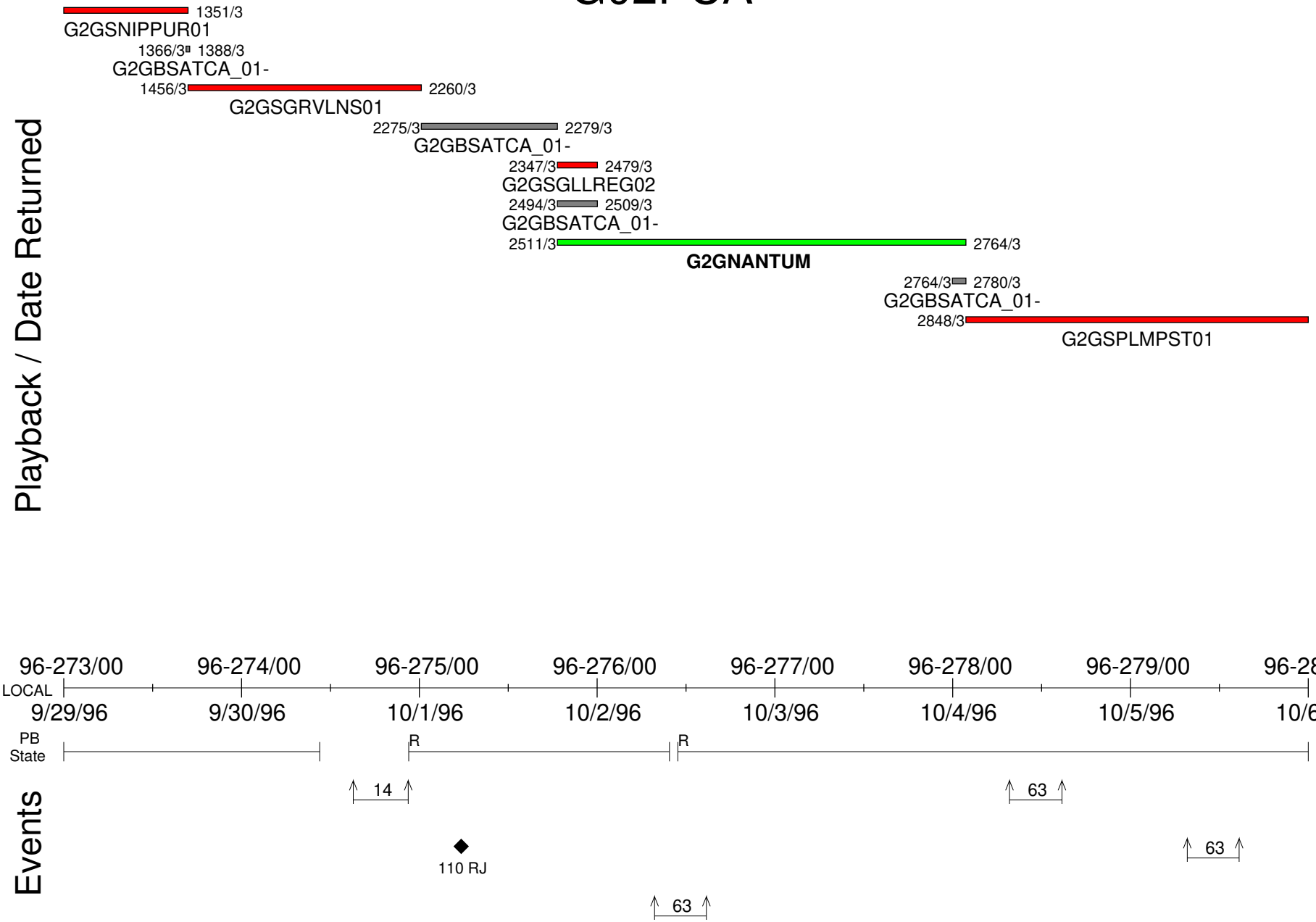
Playback / Date Returned

2-35

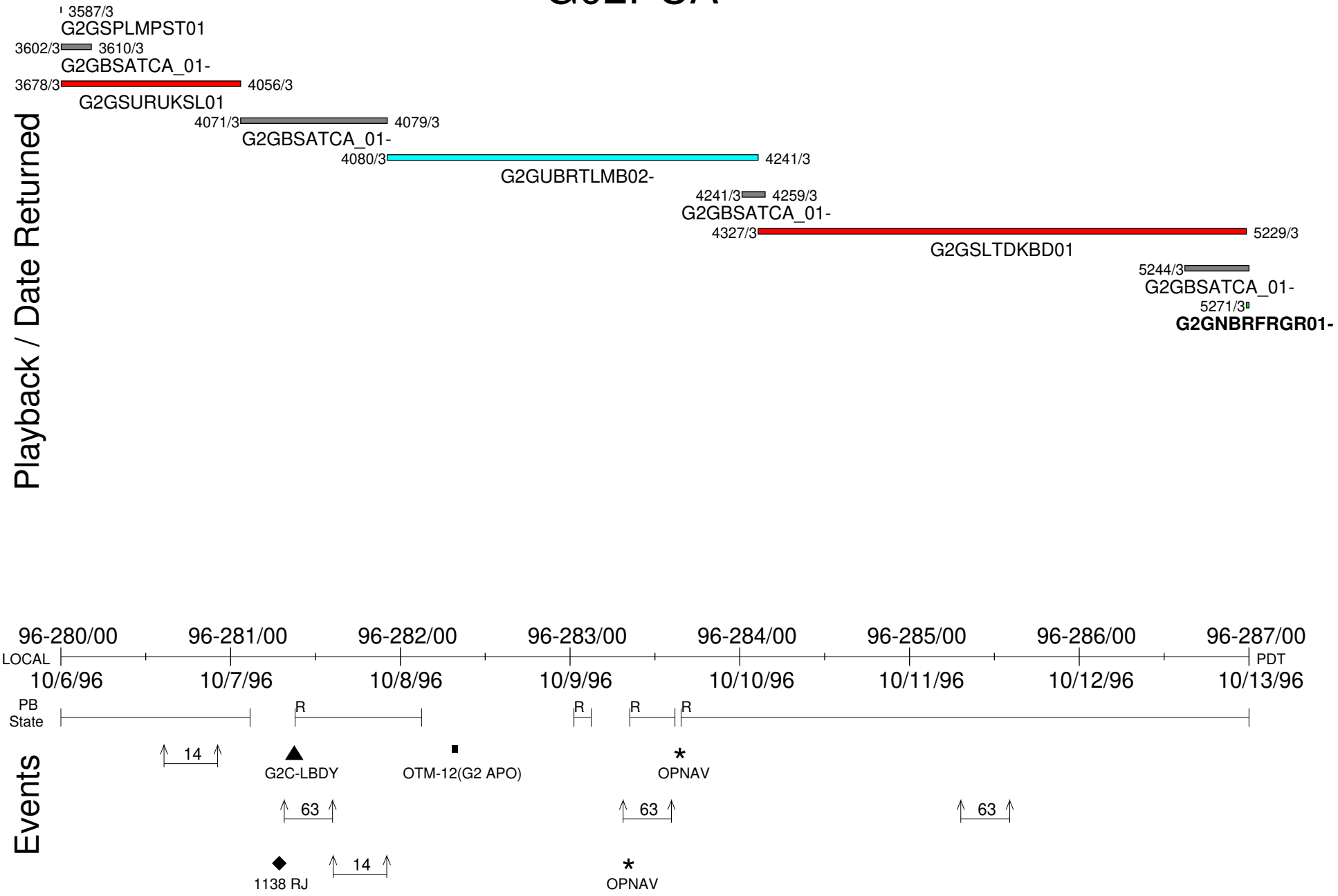


Events

G02PCA


1351/3
G2GSNIPPUR01
1366/3
1388/3
G2GBSATCA_01-
1456/3
2260/3
G2GSGRVLNS01
2275/3
2279/3
G2GBSATCA_01-
2347/3
2479/3
G2GSGLLREG02
2494/3
2509/3
G2GBSATCA_01-
2511/3
2764/3
G2GNANTUM
2764/3
2780/3
G2GBSATCA_01-
2848/3
G2GSPLMPST01
Playback / Date Returned
2-36
96-273/00
96-274/00
96-275/00
96-276/00
96-277/00
96-278/00
96-279/00
96-280/00
LOCAL
PDT
9/29/96
9/30/96
10/1/96
10/2/96
10/3/96
10/4/96
10/5/96
10/6/96
PB
State
R
R
Events
14
63
110 RJ
63
63

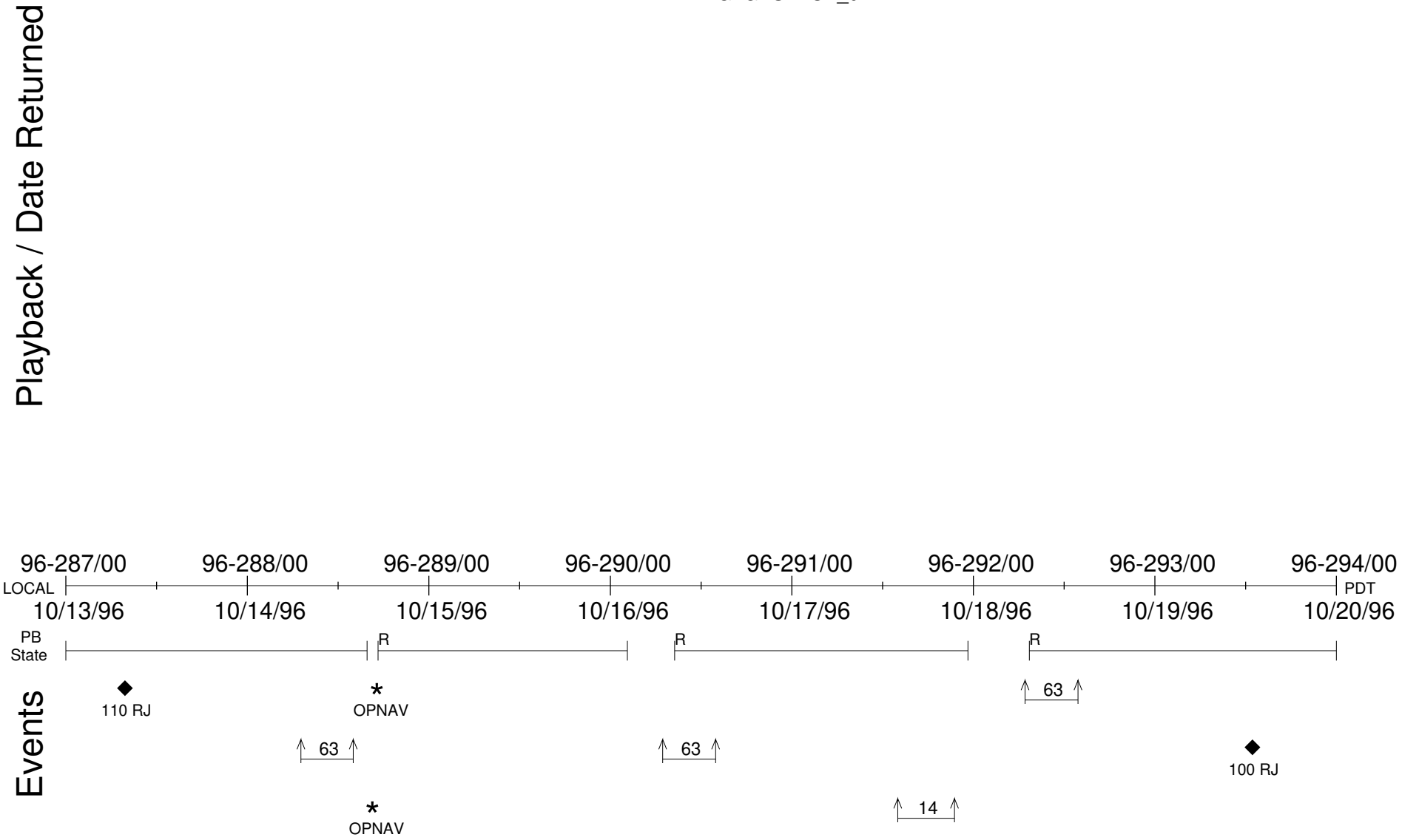
G02PCA


Playback / Date Returned
3587/3
G2GSPLMPST01
3602/3
3610/3
G2GBSATCA_01-
3678/3
4056/3
G2GSURUKSL01
4071/3
4079/3
G2GBSATCA_01-
4080/3
4241/3
G2GUBRTLMB02-
4241/3
4259/3
G2GBSATCA_01-
4327/3
5229/3
G2GSLTDKBD01
5244/3
G2GBSATCA_01-
5271/3
G2GNBRFRGR01-
96-280/00
96-281/00
96-282/00
96-283/00
96-284/00
96-285/00
96-286/00
96-287/00
LOCAL
PDT
10/6/96
10/7/96
10/8/96
10/9/96
10/10/96
10/11/96
10/12/96
10/13/96
PB State
R
R
R
R
Events
14
G2C-LBDY
OTM-12(G2 APO)
OPNAV
63
63
63
1138 RJ
14
OPNAV

2-37

G02PCA

5270/3
G2GBSATCA_01-
5417/3
G2GNBRFRGR01-
5417/3
G2GBSATCA_01-



G02PCA

Playback / Date Returned

5848/3
G2GBSATCA_01-
5872/3 5900/3
G2JUBFRDMP01-
6026/4 5499/4
G2JUACELAT01-
5488/4 5459/4
G2JUBFRDMP03-
5457/4 5278/4
G2INCHEMIS01-
5211/4 5047/4
G2ISSRFMON01
4853/4 4793/4
G2INCHEMIS02-
4793/4 4734/4
G2HNDARK__03
4719/4 4468/4
G2INHRSPEC01-
4432/4 4404/4
G2NBBFRDMP03-
4397/4 4369/4
G2SSAMALTH01
4369/4 3584/4
G2JNTHRMNS07-
3584/4 3517/4
G2INCHEMIS03-
3485/4 3429/4
G2INCHEMIS04-
3359/4 2801/4
G2ESPHOTOM01
2786/4 2251/4
G2GWIONCYC01-

2251/4 2223/4
G2NBBFRDMP04-
2207/4 2162/4
G2ENLEADMP01-
2162/4 2104/4
G2HNDARK__04
2099/4 1975/4
G2INCHEMIS05-
1975/4 1961/4
G2INTHRMAL01-
1959/4 1899/4
G2INVOLCAN01-
1899/4 1882/4
G2HNDARK__05
1726/4 1708/4
G2CSPHOTOM01
1657/4 1612/4
G2NNPCTCAL01
1509/4 1321/4
G2CSVGRGAP01
1210/4 664/4
G2CNGLOBAL01-
664/4 647/4
G2HNDARK__06
638/4 425/4
G2NSHISCAL01
215/1
G2XBPLSHTX01-

96-294/00 96-295/00 96-296/00 96-297/00 96-298/00 96-299/00 96-300/00 96-301/00
LOCAL PDT
10/20/96 10/21/96 10/22/96 10/23/96 10/24/96 10/25/96 10/26/96 10/27/96

PB State

Events

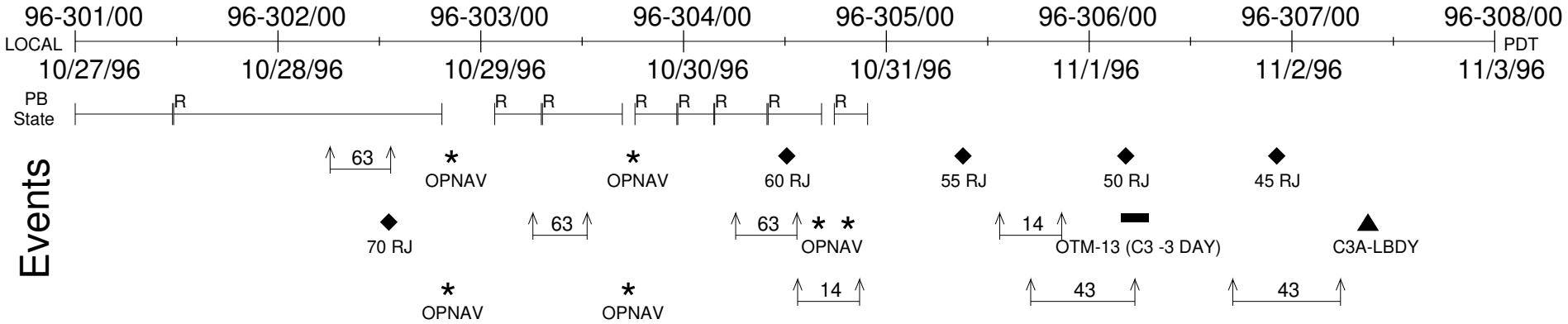
OPNAV
14
63
43
90 RJ
80 RJ

G02PCA

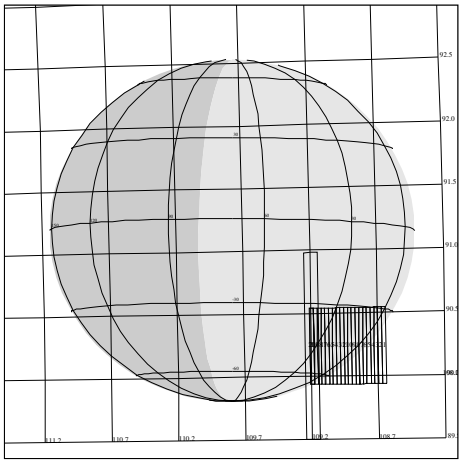
455/1
G2XBPLSHTX01-

2-40

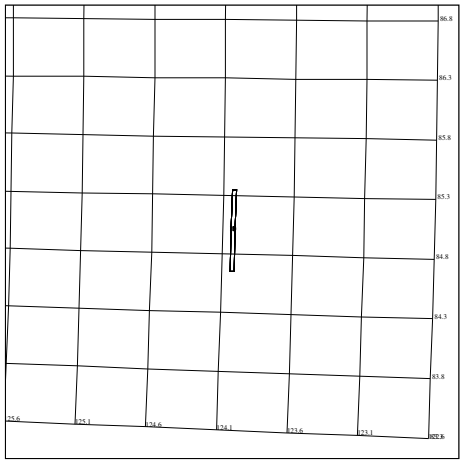
Playback / Date Returned



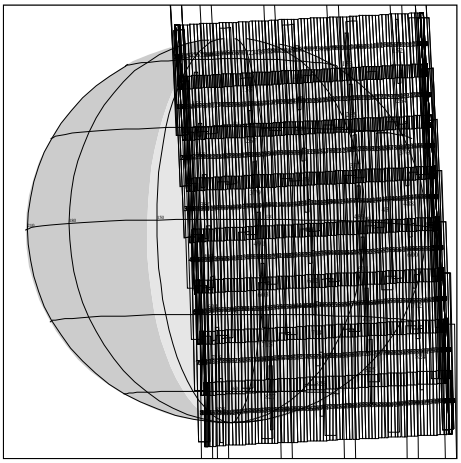
G2 NIMS A



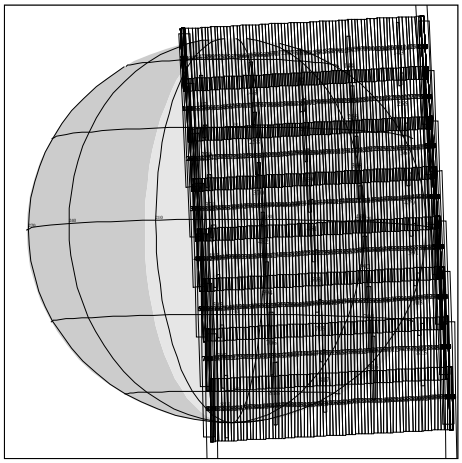
G2JNSL9LIM01
96-247/17:22:27



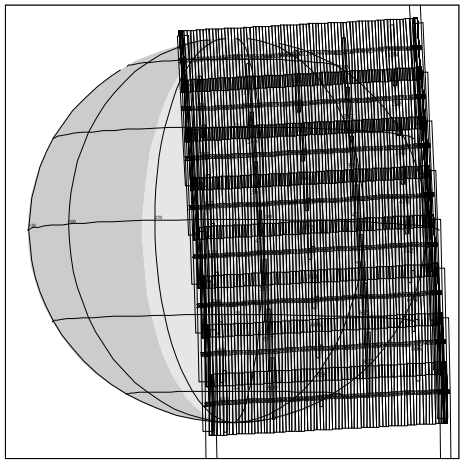
G2NNOPCAL_01
96-248/12:44:59



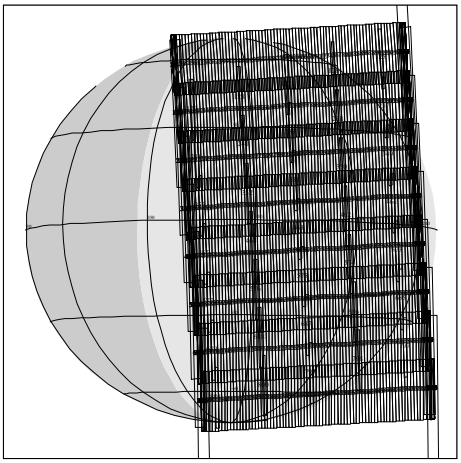
G2JNGLOMOS01
96-249/01:06:59



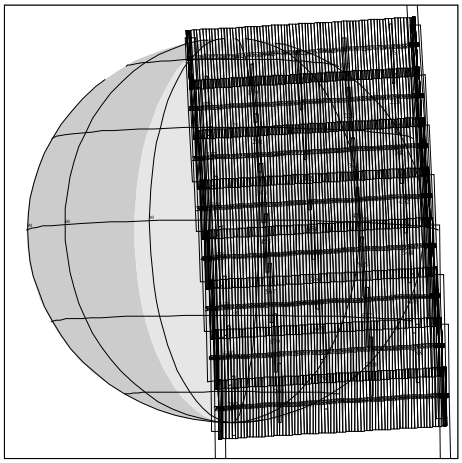
G2JNGLOMOS02
96-249/02:46:59



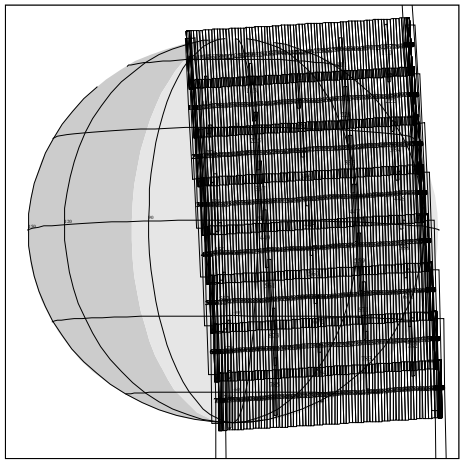
G2JNGLOMOS03
96-249/04:26:59



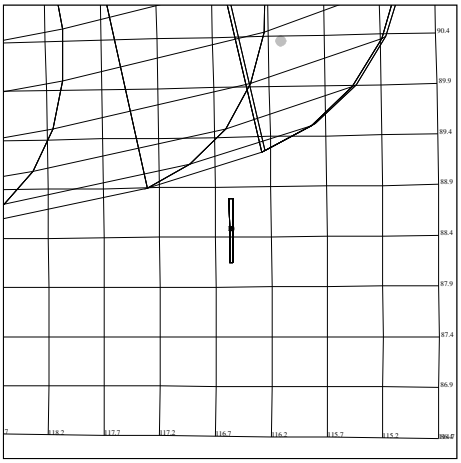
G2JNGLOMOS04
96-249/06:03:56



G2JNGLOMOS05
96-249/07:47:56

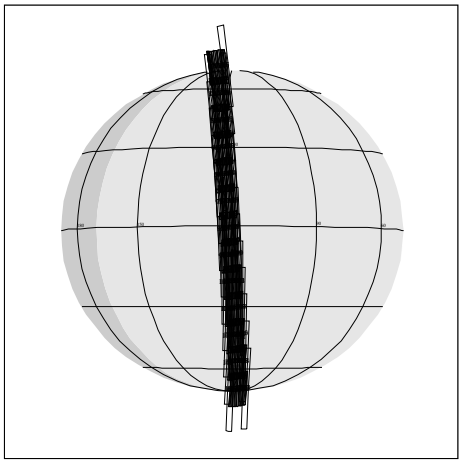


G2JNGLOMOS06
96-249/09:27:00

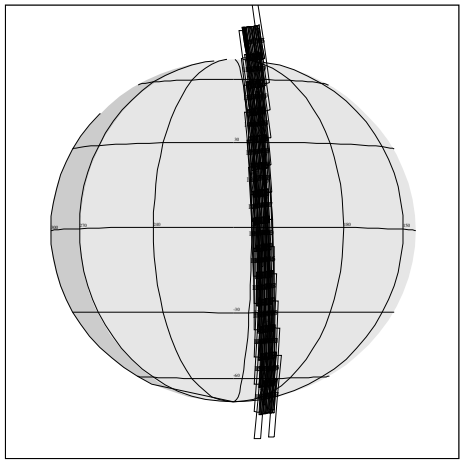


G2HNDARK__02
96-249/09:42:12

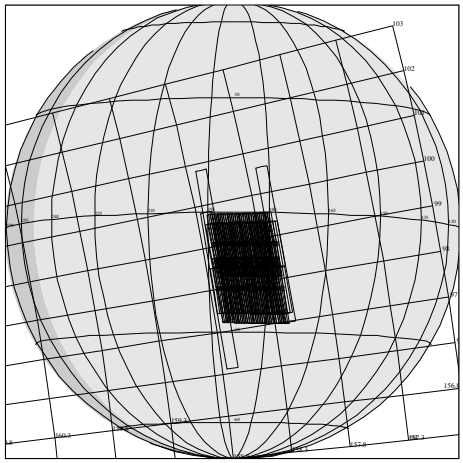
G2 NIMS B



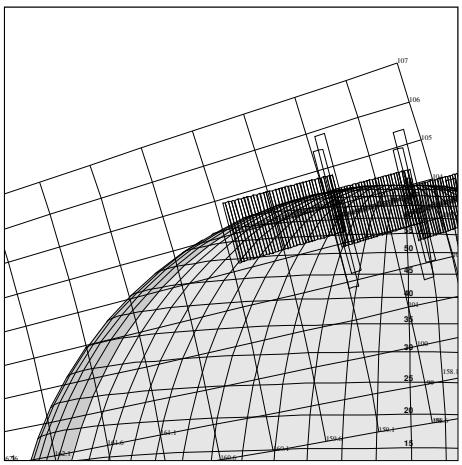
G2JNTHRMNS03
96-250/07:17:57



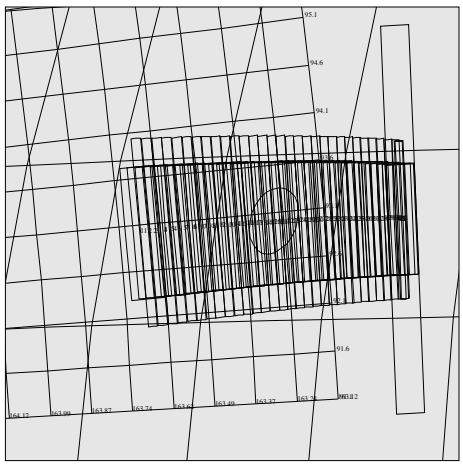
G2JNTHRMNS04
96-250/10:05:57



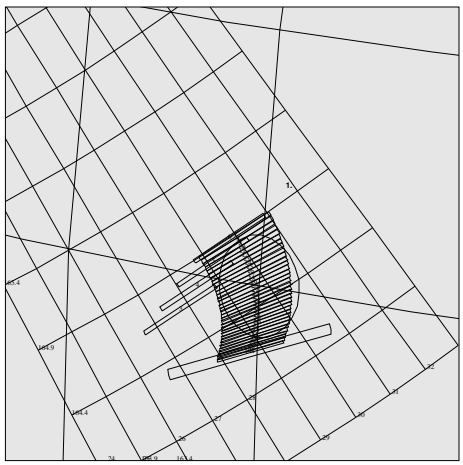
G2GNSIPPAR01
96-250/16:07:15



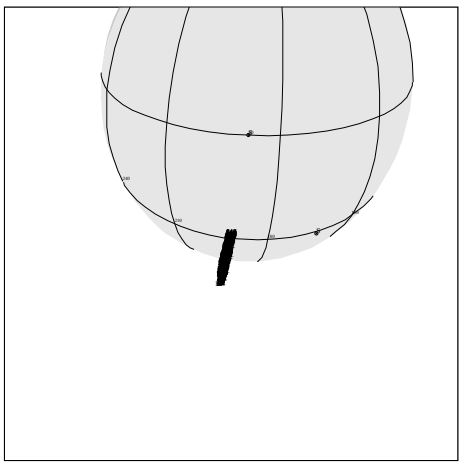
G2GNNRPOLE01
96-250/17:27:06



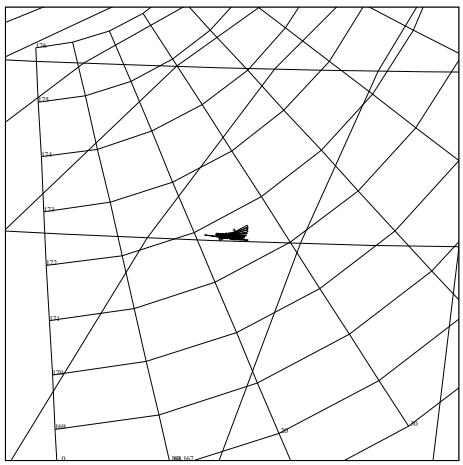
G2GNTAMMUZ01
96-250/17:56:22



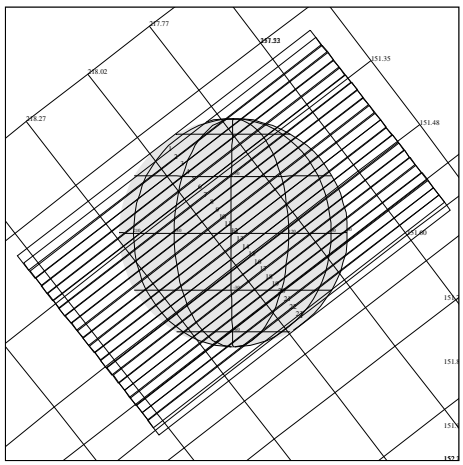
G2GNANTUM_01
96-250/18:38:22



G2GNLIMBSC01
96-250/18:47:00

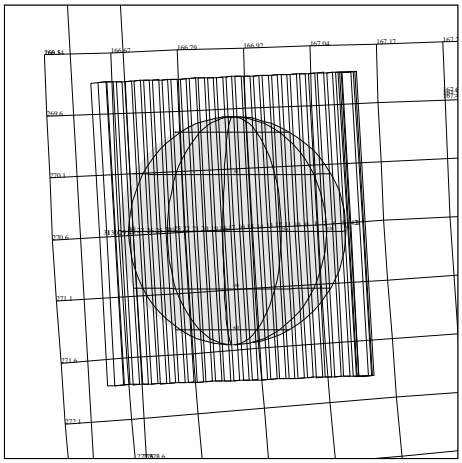


G2GNBRFRGR01
96-250/18:53:08

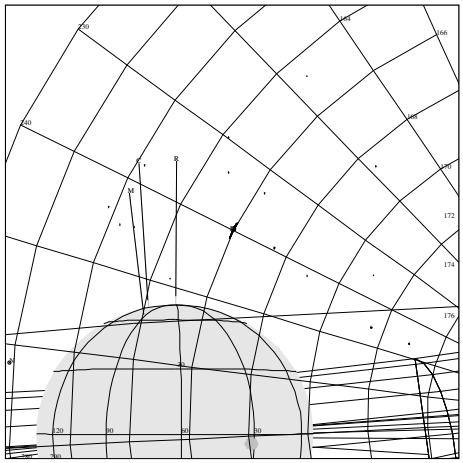


G2INCHEMIS01
96-250/22:46:38

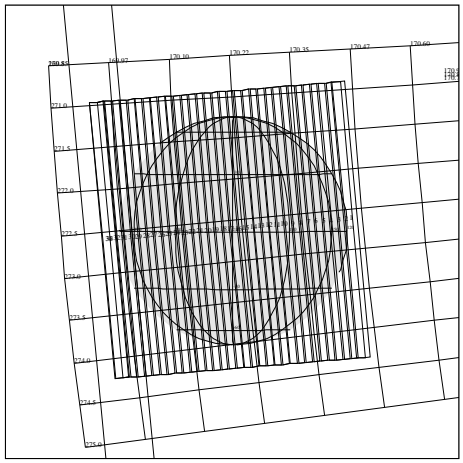
G2 NIMS C



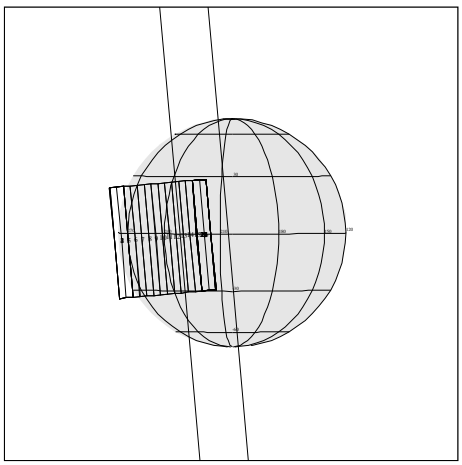
G2INCHEMIS02
96-251/01:43:58



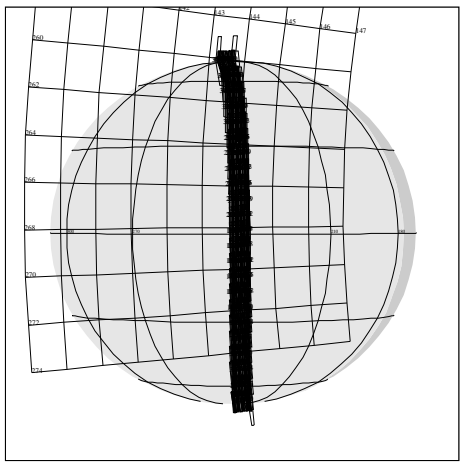
G2HNDARK__03
96-251/02:50:19



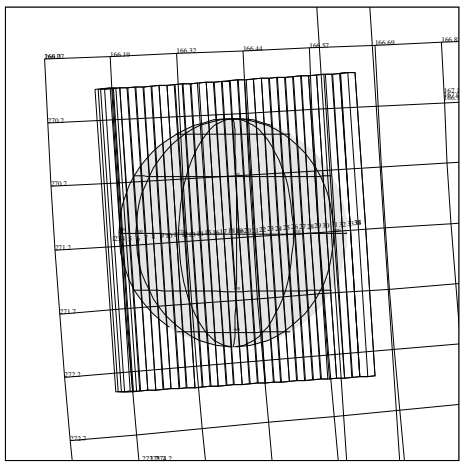
G2INHRSPEC01
96-251/05:21:01



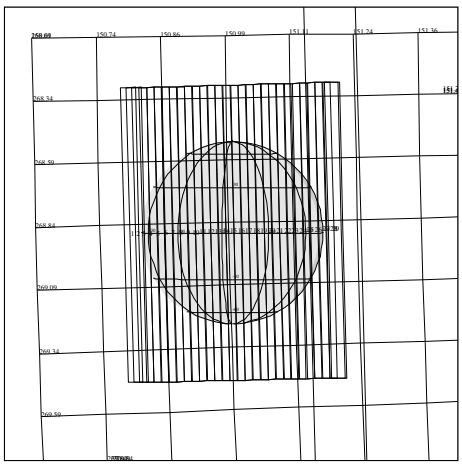
G2INIOMON_01
96-251/08:02:45



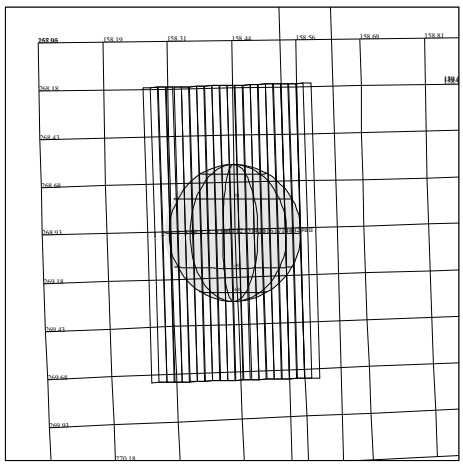
G2JNTHRMNS07
96-251/08:19:27



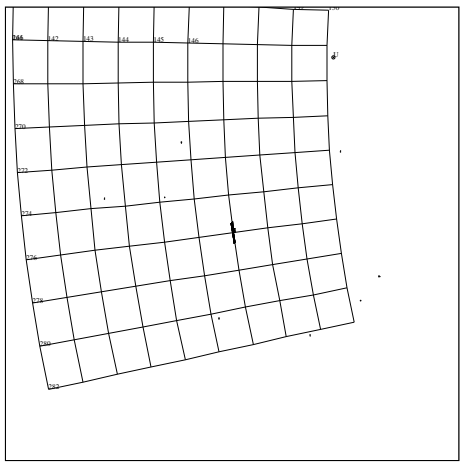
G2INCHEMIS03
96-251/09:34:59



G2INCHEMIS04
96-251/13:59:57

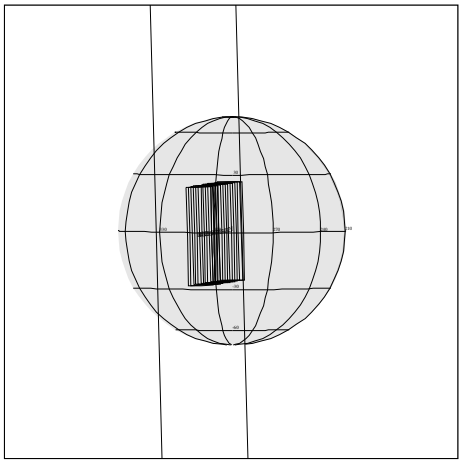


G2ENLEADMP01
96-251/17:07:45

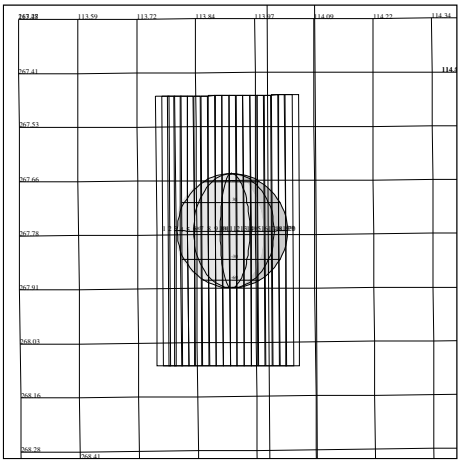


G2HNDARK__04
96-251/17:16:50

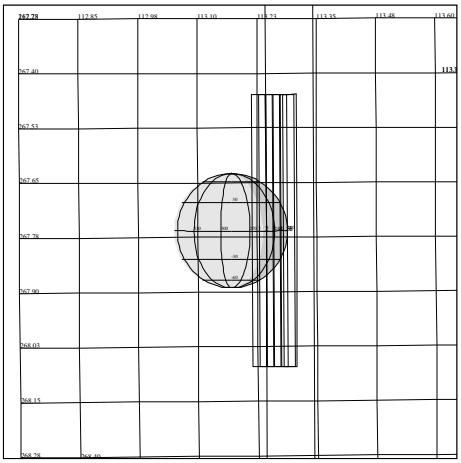
G2 NIMS D



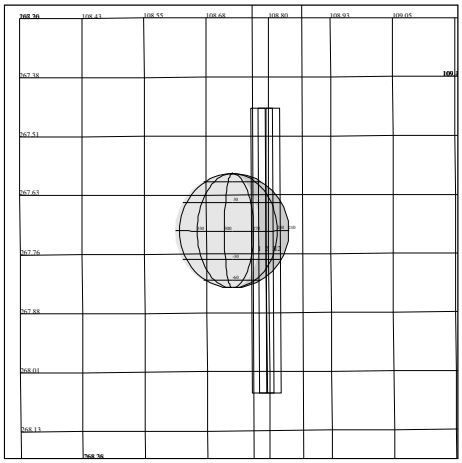
G2ENEURORT01
96-251/17:28:58



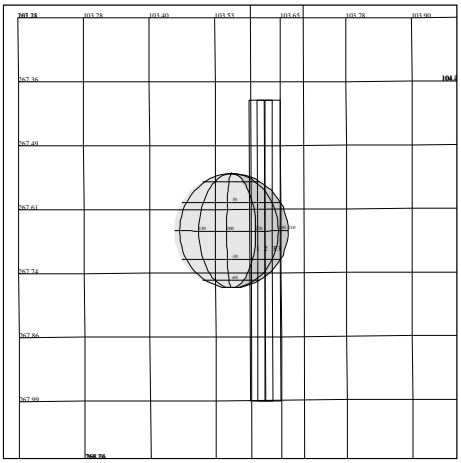
G2INCHEMIS05
96-251/21:20:59



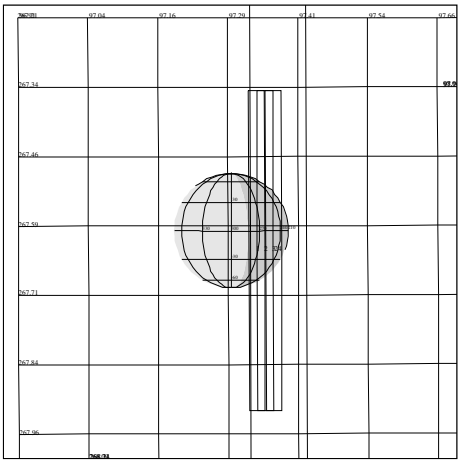
G2INTHRMAL01
96-251/21:27:59



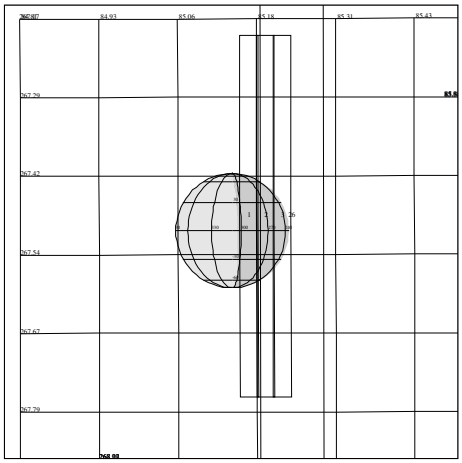
G2INVOLCAN01
96-251/22:20:10



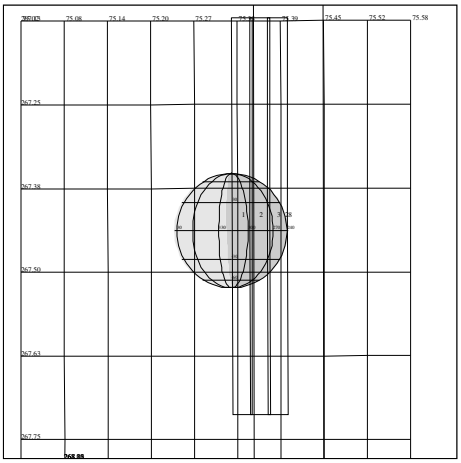
G2INVOLCAN02
96-251/23:20:50



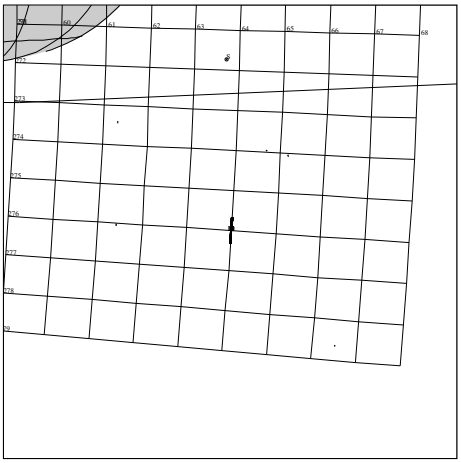
G2INVOLCAN03
96-252/00:35:39



G2INVOLCAN04
96-252/03:06:19

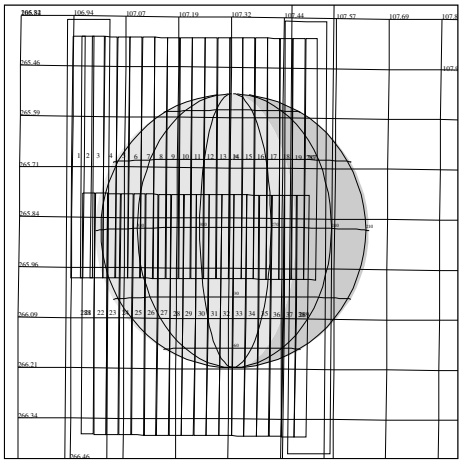


G2INVOLCAN05
96-252/05:14:43



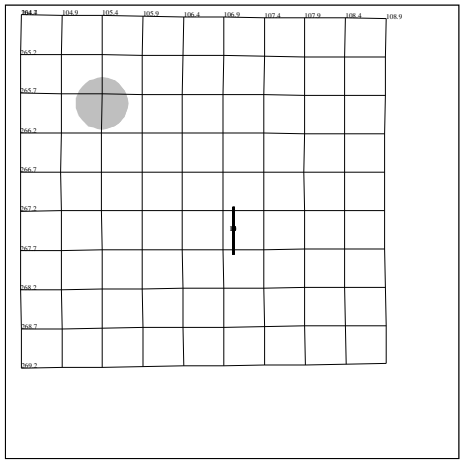
G2HNDARK__05
96-252/05:20:47

G2 NIMS E



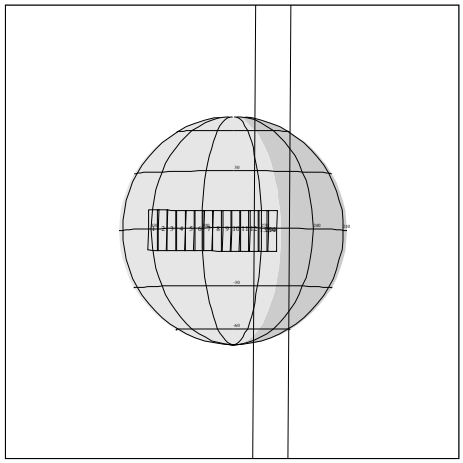
G2CNGLOBAL01

96-253/10:25:58



G2HNDARK__06

96-253/10:49:13



G2CNCALLRT01

96-253/10:59:20